Date first poduction: 11/1/6

FILE NOTATIONS

Intered in Mill Tile

cestion hip filled lard Indozed

COMPLETION DATA:

Date Well Completed .il/1/1/0

JW. VW. ... TA.... GW.... OS.... PA....

Driller's Loc.

discurric Logs (No.)

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· · · · · · · · ·

24

Location Inspected Bond released

LOGS FILED

K. I. Total I Lot. CR-W. Micro. ...

State or Fee Land

Checked by Chief

Diseporoval Letter

Approval Letter

dillog...... CChog.,... Others........



PRODUCING DEPARTMENT
ROCKY MOUNTAINS-U. S.
DENVER DIVISION

Pebruary 10, 1975

TEXACO INC.
P. O. BOX 2100
DENVER, COLORADO 80201

AMETH UNIT WELL NO. H222 SE' HE' SEC. 22 T408-R24E SAN JUAN COUNTY, UTAH 6.34

Mr. P. T. McGrath (3) District Engineer U. S. Geological Survey P. O. Box 959 Farmington, New Mexico 87401

Dear Mr. McGrath:

As requested by your office, the following information is provided for the drilling of Aneth Unit Well No. H222, San Juan County, Utah:

- 1. SURFACE CASING: 500' of 8-5/8" OD 24# K-55 STAC, SH.
- CASINGHEADS: 10-3/4" x 10" Series 600, 2000# pressure rating.
- 3. PRODUCTION CASING: 5935' of 5-1/2" OD 14 & 15.50 K-55 ST&C, SH.
- 4. BLOWOUT PREVENTER: 10" Series 600 with blind and pipe rams. See attached drawing.
- 5. AUXILIARY EQUIPMENT:
 - (a) Kelly cock will be used at all times and checked daily.
 - (b) Safety sub with full opening valve for drill pipe on floor.
- 6. ANTICIPATED BOTTOM HOLE PRESSURE: 2500 psi.
- 7. DRILLING PLUID: Water and salt mud.

Very truly yours,

fommie Bliss

District Superintendent

DRD: RB

Attach.

cc: OGCC(2)

USGS (1)

Durango



SUBMIT IN TRIPLIC (Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

| APPLICATION | GEOLO | OGICAL SURVEY | RIOR | | 5. LEASE DESIGNATION I - 149- | | |
|--|--|--|---|---|--|---|---|
| | N FOR PERMIT | TO DRILL, DEE | PEN, OR PLUG E | BACK | 6. IF INDIAN, A | LLOTTEE O | R TRIBE NAME |
| TYPE OF WELL G VELL G | AS OTHER | | PLUG BA | | 7. UNIT AGREEM Aneth | Unit | - |
| NAME OF OPERATOR EXACO INC. ADDRESS OF OPERATOR | Attenti | on: T. Bliss | I | | 9. WEST NO. | · · | |
| . O. Box 2 | 100, Denver, | Colorado 80 | | | H222 | | |
| At surface At proposed prod. zon | SE's NE's | d in accordance with any Sec. 22 NL & 776' FEL | | | Aneth 11. SEC., T., B., AND SURVEY SEC. 2 | M., OR BLE | |
| DISTANCE IN MILES | AND DIRECTION FROM NE. | AREST TOWN OR POST OFF | CER* | | 12. COUNTY OR San Ju | | 3. STATE |
| DISTANCE FROM PROPLOCATION TO NEARES PROPERTY OR LEASE (Also to nearest dr) | T LINE, FT. g. unit line, if any) | 776' | NO. OF ACRES IN LEASE | | F ACRES ASSIGNE | I | |
| OR APPLIED FOR, ON TH | DRILLING, COMPLETED, HIS LEASE, FT. | 1200 | PROPOSED DEPTH 5935 | 20. ROTAI | ROTATY | | · |
| ELEVATIONS (Show wh | nether DF, RT, GR, etc.) | | 4926' GR | | July 2 | | WILL START* |
| | | PROPOSED CASING AN | D CEMENTING PROGR. | AM | <u> </u> | | |
| SIZE OF HOLE | CTTD OF CLOSE | THE PART THE PART TO SE | CERTIFIC - PROPER | | | | |
| | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | | QUANTITY O | | e |
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| 7-7/8" 7 collar to copose to condary ontervals for from suitification, and the collar to the collar | 8-5/8" 5-1/2" o be run belowith this is in recovery rom 5000° to rface casing Blowout prevents. | 24# 14 & 15.5# ow DeChelly and the Anerom the Anerom the TD. Property of the TD and the | 500° 5935° and cement to a order to ga th Unit. Sam as or DSTs ar spective zone ant will be a lar intervals | botto in opt ples w e plan s will s indi | m of sur imum pri ill be t ned. Lo be perf cated on essary s | face mary aken gs wi forate the teps | casing and at 10' ill be ed and attach will b |
| 7-7/8" V collar to ropose to econdary or ntervals from sucidized. Exhibit, and aken to property of the proper | 8-5/8" 5-1/2" c be run beladrill this is it recovery rom 5000° to rface casing Blowout preved will be tended to the entert the ente | 24# 14 & 15.5# ow DeChelly and the Anerona the Anerona the Anerona to TD. Property and the Anerona to TD. Proposal is to deepen or proposal is to deepen or the Anerona to TD. Proposal is to deepen or the TD. Proposal is to DD. Proposal is | 500° 5535° and cement to a order to ga th Unit. Sam so or DSTs ar spective zone ant will be a lar intervals Al On Di B) | botto in opt ples w e plan s will s indi Nec PROVE L & GA | imum pri ill be to ned. Lo be perf cated on essary s D BY DIVIS | suriabove face mary aken gs withe teps | casing and at 10' ill be ed and attach will b |
| 7-7/8" 7 collar to ropose | 8-5/8" 5-1/2" c be run beladrill this is if recovery rom 5000° to rface casing Blowout preved will be temporate the enderty of the context of o | 24# 14 & 15.5# ow DeChelly and the Anerona the Anerona the Anerona to TD. Property and the Anerona to TD. Proposal is to deepen or proposal is to deepen or the Anerona to TD. Proposal is to deepen or the TD. Proposal is to DD. Proposal is | 5935° and cement to a order to ga th Unit. Sam as or DSTs ar spective zone ant will be a lar intervals Al Or B) | botto in opt ples w e plan s will s indi Nec PROVE L & GA | imum pri ill be to ned. Lo be perf cated on essary s D BY DIVIS | suriabove face mary aken gs withe teps | casing and at 10' ill be ed and attach will b |
| 7-7/8" 7 collar to ropose | 8-5/8" 5-1/2" o be run beladrill this is il recovery rom 5000° to rface casing Blowout preved will be tended to the entire of t | 24# 14 & 15.5# ow DeChelly and the Anerona the Anerona to TD. Proposite at requirements and the angular contents and the | 500° 5535° and cement to a order to ga th Unit. Sam so or DSTs ar spective zone ant will be a lar intervals Al On Di B) | botto in opt ples w plan will indi Nec PROVE & GA TESENT production descured | m of sur imum pri ill be t ned. Lo be perf cated on essary s D BY DIVIS | suriabove face mary aken gs wi forate the teps NATION proposes in depths. | casing and at 10' ill be ed and attach will b |
| 7-7/8" V collar to ropose | 8-5/8" 5-1/2" c be run beladrill this is if recovery rom 5000° to rface casing Blowout preved will be temporate the enderty of the context of o | 24# 14 & 15.5# ow DeChelly and the Anerona the Anerona to TD. Proposite at requirements and the angular contents and the | 500° 5935° and cement to a order to ga th Unit. Sam se or DSTs ar spective zone and will be a lar intervals Al O D plug back, give data on p on subsurface locations an | botto in opt ples w plan will indi Nec PROVE & GA TESENT production descured | m of sur imum pri ill be t ned. Lo be perf cated on essary s D BY DIVIS | suriabove face mary aken gs wi forate the teps NATION proposes in depths. | casing and at 10' 11 be ed and attach will b |

*See Instructions On Reverse Side

Gulf(2)

Shell

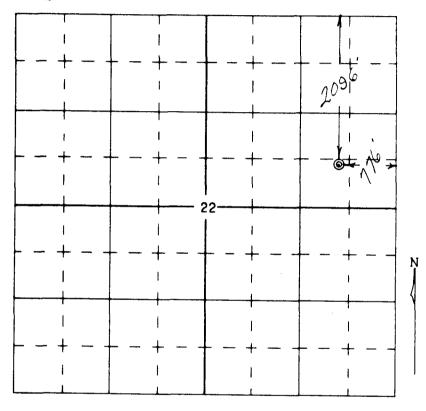
Superior

Tenneco

| COMPANY Texaco Inc. | |
|--|--|
| Well Name & No. ANETH UNIT WELL NO. H222 Lease No. | |
| Location 2096 feet from North line and 776 feet from East line | |
| Being in San Juan County, Utah | |
| | |

Sec. 22, T.40S., R.24E., S.L.M.

Ground Elevation 4926

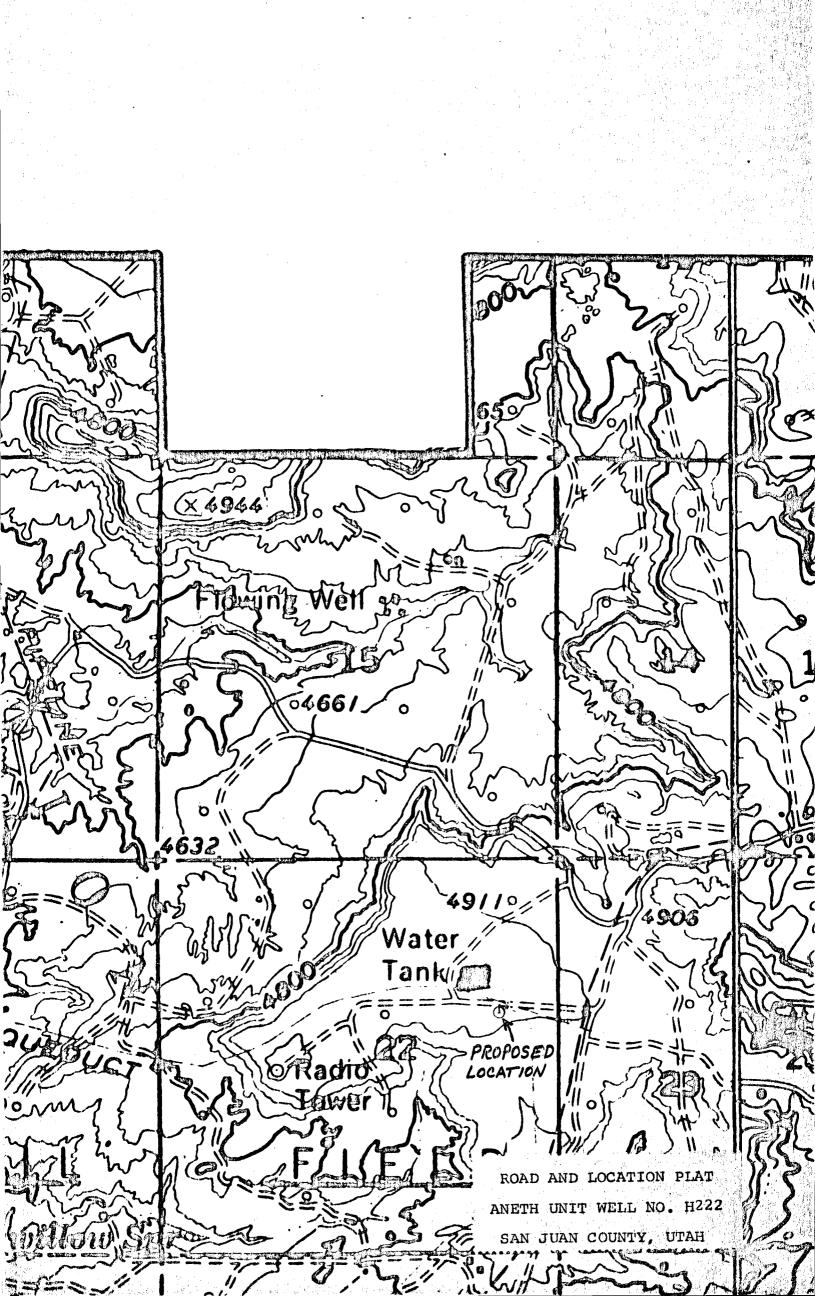


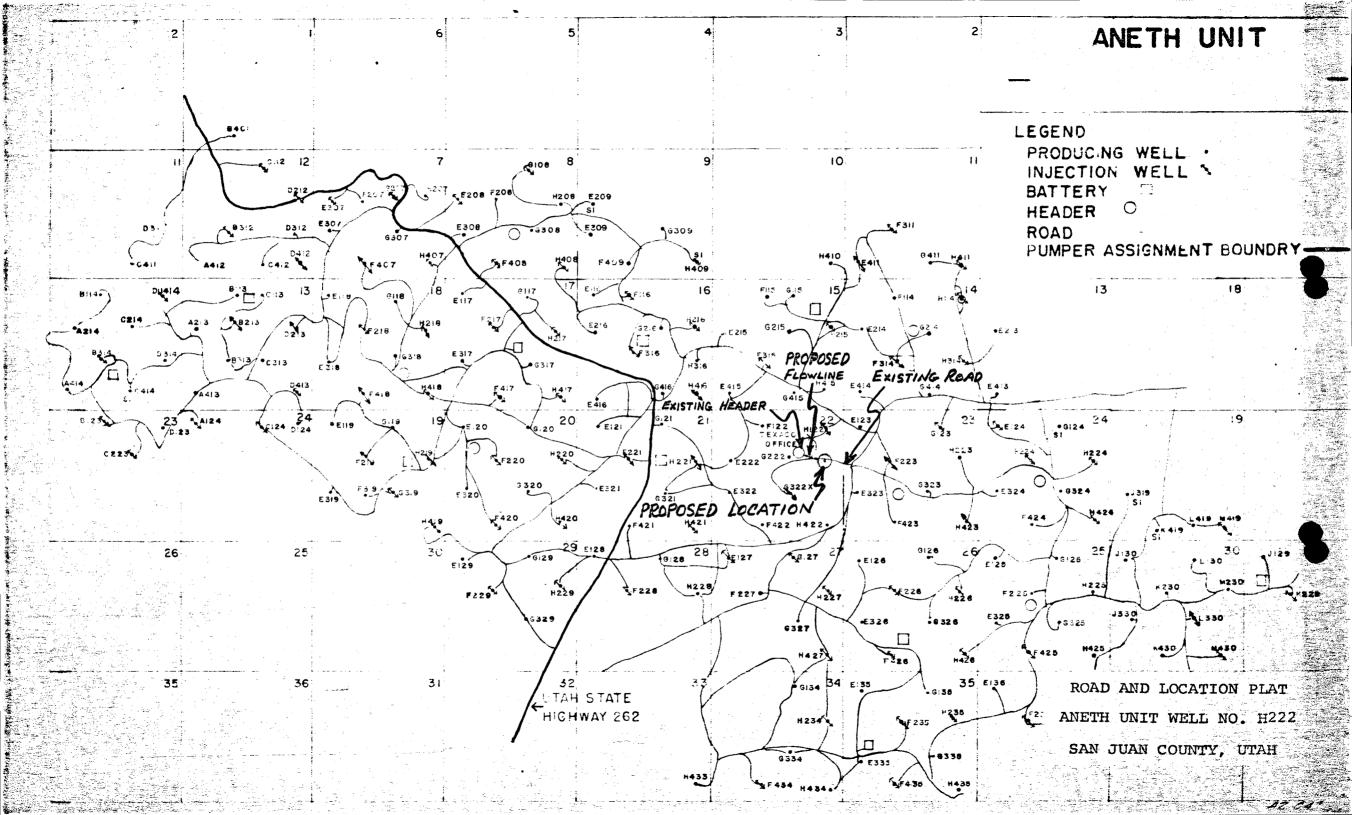
Scale - 4 inches equals 1 mile

| Surveyed | i | March 6 | |
|----------|-------------------------|--|--------------------|
| me or un | ider my supervision and | e plat was prepared from field notes of actual surv that the same are true and correct to the best of | veys made by my |
| KUOMIĐO | ge and belief. | | Total |
| C1. | | Registered Pro | fessional |

Engineer and Land Surveyor. Utah Surveyor No. 2533

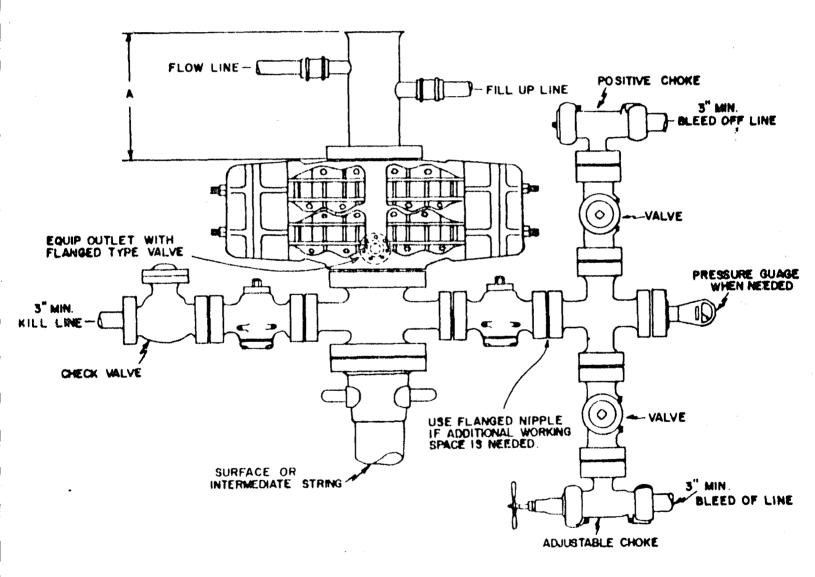
Fermington, New Mexico





Minimum equipment requirements are:

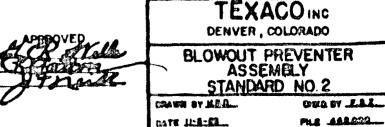
- 1. Blowout preventers must be capable of being operated both mechanically and hydraulically. Controls must be located so that the blowout preventer can be operated outside the drilling rig substructure. All steel tubing and connections must be used between the hydraulic controls and the blowout preventer.
- 2. Pressure rating of the blowout preventer and associated connections must be proportional to depth and pressure expectations. Use Figure 1 as a guide in unknown areas.
- 3. Distance "A" must be sufficient to accommodate a Hydril preventer if required.
- 4. Chokes, valven, manifold piping and kill line must be flanged and designed equal to or above the pressure rating of the blowout preventer.
- 5. Kelly cock must be used at all times and should be checked daily.



NOTE: BLOWOUT PREVENTER MUST HAVE DOUBLE RAMS; ONE BLIND & ONE PIPE RAM OR THE EQUIPMENT MUST CONSIST OF TWO BLOWOUT PREVENTERS, ONE EQUIPPED WITH BLIND RAMS & THE OTHER WITH PIPE RAMS ALWAYS PLACE THE BLIND RAMS IN THE TOP PREVENTER.

ANETH UNIT WELL NO. H222

SAN JUAN COUNTY, UTAH



MYTTID -

Bra Ailesia



PRODUCING DEPARTMENT ROCKY MOUNTAINS-U. S. DENVER DIVISION

April 15, 1975

TEXACO INC.
P. O. BOX 2100
DENVER, COLORADO 80201

SURFACE USE DEVELOPMENT PLAN AMETH UNIT WELL NO. H222 SE'N NE'S SEC. 22 T40S-R24E SAN JUAN COUNTY, UTAH 6.34

Mr. P. T. McGrath (3) District Engineer U. S. Geological Survey P. O. Box 959 Farmington, New Mexico 87401

Dear Mr. McGrath:

As requested by your office, the Surface Use Development Plan for Aneth Unit Well No. H222, San Juan County, Utah, is as follows:

- Existing roads and exit to the location are shown on the attached plats.
- 2. New access road 50' x 30' wide will be required. The road will run north from the location to an existing road, and the surface will be compacted soil. No cuts, culverts or cattleguards will be required.
- Offset wells to the proposed well are shown on the attached plat.
- 4. Lateral roads in the vicinity of the location are shown on the attached plat.
- The flowline for subject well will run approximately 1000' west to an existing header. See attached plat.
- 6. Water for drilling operations will be trucked from Texaco's fresh water supply tank, a distance of & mile.

- 8. No separate drill compaited are proposed.
- 9. There are no registered airstrips in the vicinity of the location.

- 10. The drilleits josetion will be laid here and will be approximately 250' x 250' with natural drainings to the southease. Proper grading will be used to control erosion, and the drilling pad surface will be compacted soil. A plat showing the location and rig layout is attached.
- 11. All surfaces not used in normal well servicing and maintenance will be cleaned and product.
- 12. The wellsite is slightly sleping, easily, barren ground sparsely dovered with grass.

Very truly yours,

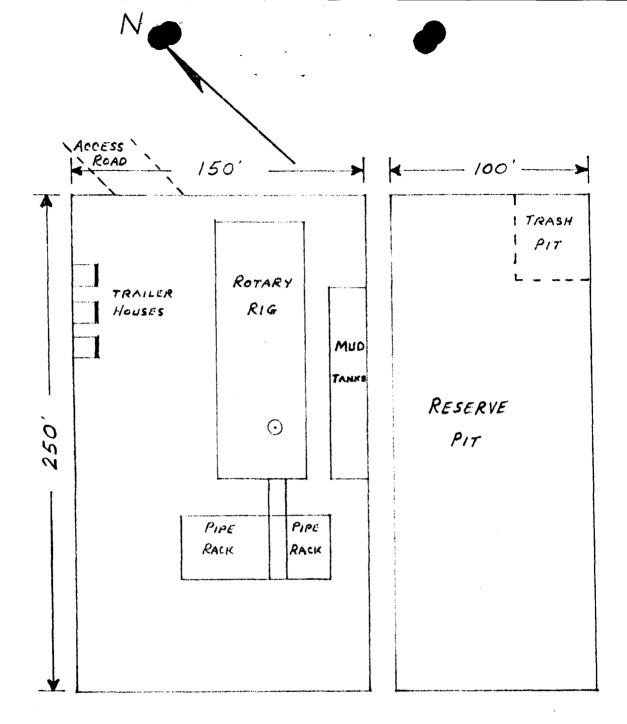
tomic Blies
District Superintendent

PAR: RB

Attach.

Set Lake City, Stat 8416

V. S. Gwological Survey P. G. Box 1809 Buxango, Coloredo #1301



- A. Drilling pad will be compacted soil.
- B. Surface is slightly sloping, sandy ground sparsely covered with grass.

LOCATION AND RIG LAYOUT PLAT

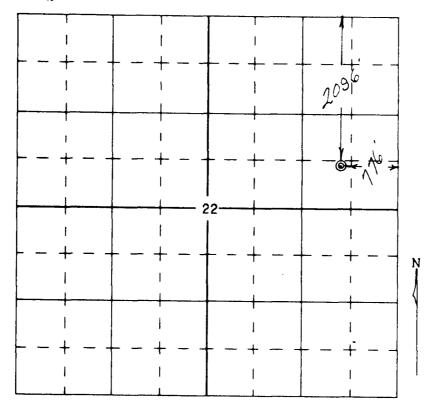
ANETH UNIT WELL NO. H222

SAN JUAN COUNTY, UTAH

| COMPANY | Texa | co Inc. | | · · · · · · · · · · · · · · · · · · · | | | · · · · · · · · · · · · · · · · · · · | | | |
|-----------|----------|----------|--------|---------------------------------------|--------|------|---------------------------------------|------|---------|------|
| Well Name | & No | ANE | rh uni | T WEL | L NO. | H22 | 2 | Lec | ise No. | |
| Location_ | 2096 fe | et from | North | line a | nd 776 | feet | from | East | line | |
| Being in_ | San Juai | n County | , Utah | | | | | | | |
| | | | | | | | | | | |

Sec. 22, T.40S., R.24E., S.L.M.

Ground Elevation 4926



Scale - 4 inches equals 1 mile

| Surveyed | March 6 | 19 75 |
|--|---|--------------------|
| me or under my supervision and that th | vas prepared from field notes of actual survers are true and correct to the best of t | reys made by my |
| knowledge and belief. | 7. | 1792,1 |
| | | Vote |
| | Registered Proj | essional |

Seal:

Engineer and Land Surveyor.

Utah Surveyor No. 2533

Farmington, New Mexico

| Form 9-331 (May-1963) | DEPAR | UJALD STATES TMENT OF THE IN GEOLOGICAL SURV | NTERIOR (Other instructions on re- | Form approvious Budget Bures 5. LEASE DESIGNATION 1-149-IND- | AU No. 42-R1424 AND SERIAL NO. |
|---|-------------------------------------|--|--|--|-----------------------------------|
| | CHAIDDY NC | TICEC AND DEDO | DTC ON WELLC | 6. IF INDIAN, ALLOTTE | |
| | | OTICES AND REPO posals to drill or to deepen of ICATION FOR PERMIT—" for | or plug back to a different reservoir. or such proposals.) | | |
| 1. OIL G | AS 🗆 | | | 7. UNIT AGREEMENT NA | ME |
| WELL W | ELL OTHER | | | Aneth Unit | • |
| 2. NAME OF OPERA | - | | SECT. FA | 8. FARM OR LEASE NAM | 1E |
| TEXACO Inc | | Attention: (| 3. L. Baton | Unit | |
| | | | Constitution of | 9. WELL NO. | |
| 4 LOCATION OF WE | 2100, Der | iver, Colorado clearly and in accordance v | 80201 | H222 | |
| See also space 1 | 17 below.) | | with any State requirements.* | 10. FIELD AND POOL, O | |
| | SE! | NE's Sec. 22 | Y CANTER (V) | Aneth Fiel | |
| | 209 | 6' FNL & 776' | FEL, Sec. 22 | SURVEY OR AREA | |
| | | | | Sec. 22 T4 | 10S-R24E |
| 14. PERMIT NO. | | 15. ELEVATIONS (Show w | hether DF, RT, GR, etc.) | 12. COUNTY OR PARISH | 13. STATE |
| 43-037-30 | 242 | 4926' | GR | San Juan | Utah |
| 16. | Cl i | A D T | | | <u> </u> |
| 10. | Check A | Appropriate Box to Indi | icate Nature of Notice, Report, or C | Other Data | |
| | NOTICE OF INT | ENTION TO: | SUBSEQ | UENT REPORT OF: | |
| TEST WATER SI | HUT-OFF | PULL OR ALTER CASING | WATER SHUT-OFF | REPAIRING V | VELL |
| FRACTURE TREA | .T | MULTIPLE COMPLETE | FRACTURE TREATMENT | ALTERING CA | ASING |
| SHOOT OR ACID | IZE | ABANDON* | SHOOTING OR ACIDIZING | ABANDONME | NT* |
| REPAIR WELL | | CHANGE PLANS | | Surface Casi | |
| (Other) | | | (Note: Report results Completion or Recomp | of multiple completion letion Report and Log for | on Well |
| 17. DESCRIBE PROPOS proposed wor nent to this w | | PERATIONS (Clearly state all ctionally drilled, give subsurf | pertinent details, and give pertinent dates, ace locations and measured and true vertice | in almatur a setting to 2, 2, 1 | |
| 10-1-76: | Ran 12 jo Set at 54 Flo-seal, | 45' KB and ceme | 9-29-76. 8-5/8" OD 28.55# X-42 ented with 300 sacks (lug down at 3:00 PM, 9 | Class "B" wit | th 1/4# |
| | Tested Bo | | t 800 psi for 30 minut | tes. No loss | in |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| 18. I hereby certify the | t the foregoing is | true and cor | reCt | | | | | |
|--------------------------|-----------------------|--------------|---------|------------------------|------------------|-----------------------|---------|------|
| SIGNED | Zall | The second | TITLE | District S | uperinte | ndent _{DATE} | oct. 5, | 1976 |
| (This space for Fee | deral or State office | use) | | | | | | |
| APPROVED BYCONDITIONS OF | | Y: | _ TITLE | | | DATE | | |
| USGS (3) Farmington | ogec (2) SLC | GLE | ARM | The Navajo Superior | Tribe Tenneco | | Shell | |

| Form | 9-331 |
|------|-------|
| (May | 1963) |

SUBMIT IN TRIPLECATE*

Form approved.

| | | | RIOR verse side) | 5. LEASE DESIGNATION | AND SERIAL NO. |
|--------------------------------|---|--|--|--|--------------------------|
| | | SEOLOGICAL SURVEY | | I-149-IND- 6. IF INDIAN, ALLOTTER | -8836 |
| (Do not use thi | S form for propos Use "APPLICA | CES AND REPORTS als to drill or to deepen or plu; TION FOR PERMIT—" for such | ON WELLS g back to a different reservoir. | or it motal, abbotish | OK TRIBE NAME |
| 1. | <u></u> | | 26/4 "00, | 7. UNIT AGREEMENT NA | ME \ |
| WELL WELL | OTHER | | PEL OB THE | Aneth Unit | - |
| 2. NAME OF OPERATOR | ** | | E 60' 7' 11' | 8. FARM OR LEASE NAM | IE . |
| TEXACO Inc. | | tention: G. L. | accon. | Unit 9. WELL NO. | |
| P. O. Box 2 | 100. Deny | er, Colorado 80 | 201 | | |
| 4. LOCATION OF WELL | Report location cl | early and in accordance with a | ny State requirements.* | H222 | WILDCAT |
| At surface | _ | NE' Sec. 22 | | Aneth Fiel | |
| | • | ' FNL & 776' FE | T Com 33 | 11. SEC., T., R., M., OR B SURVEY OR AREA | |
| | 2036 | FML Q: //O FE | L, Sec. 22 | | |
| 14. PERMIT NO. | | 1 15 70 70 70 1 1 | | Sec. 22 T4 | |
| 43-037-3024 | 3 | 15. ELEVATIONS (Show whether | • • • • • | 12. COUNTY OR PARISH | 1 |
| | <u> </u> | 4926' GR | | San Juan | Utah |
| 16. | Check Ap | propriate Box To Indicate | Nature of Notice, Report, or | Other Data | |
| | NOTICE OF INTEN | TION TO: | SUBSE | QUENT REPORT OF: | |
| TEST WATER SHUT- | OFF F | PULL OR ALTER CASING | WATER SHUT-OFF | REPAIRING W | /mrr |
| FRACTURE TREAT | | ULTIPLE COMPLETE | FRACTURE TREATMENT | ALTERING CA | |
| SHOOT OR ACIDIZE | A | BANDON* | SHOOTING OR ACIDIZING | ABANDONMEN | |
| REPAIR WELL | | HANGE PLANS | (Other) Running | | |
| (Other) | | | (Note: Report resul Completion or Recom ent details, and give pertinent date cations and measured and true vert | ts of multiple completion of appletion Report and Log for | m) |
| | stage with mud-kil 1500 psi. Lite and | n 300 sacks Clar 11, 3/4% CFR-2. Cemented secon 50 sacks of regr | Set casing at 59 ss "B" with 64 Gi Plug down at 3:0 nd stage with 450 ular). Plug down rig at 6:00 PM, 1 | llsonite, 7# S 00 PM, 10-18-7 sacks (400 sa at 4:00 PM, 1 | alt, 6 with cks of |
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| | | | | | |
| 8. I hereby certify that | t the foregoing is | true and correct | | | |
| SIGNED | L Ear | OTITLE D | istrict Superinten | dent DATE Oct | _21 107 |
| (This space for Fed | eral or State offic | | | | |
| | | / | | | |
| APPROVED BY CONDITIONS OF A | PPROVAL, AF AI | TITLE | | DATE | |

USGS (3) Parmington ogoć (2) sic

GLE

ARM The Navajo Tribe
Superior Tenneco
*See Instructions on Reverse Side

Gulf(2) Shell

Form approved. Budget Bureau No. 42-R355.5.

DEPARTMENT OF THE INTERIOR

(See other instructions on reverse side)

| ļ | 5. | LEASE | DESIGNATION | AND | SERIAL | 1 |
|---|----|-------|-------------|-----|--------|---|
| ì | | | | | | |

| | | | AL 301 | | | | | | | D-8836 |
|-------------------------------|--|----------------------------|-------------|-------------|---------------------------------------|-------------------|-------------------------|-----------------------------|--------------|---------------------------------------|
| WELL CO | MPLETION | OR RECO | MPLETIC | ON R | EPORT | XND | LOG* | 6. IF INDI | AN, ALLOI | TTEE OR TRIBE NAM |
| ia. TYPE OF WEL | L: OIL WELL | GAS WELL | DR. | _ [] | ther D | F 1000 | -n (-3) | 7. UNIT A | GREEMENT | NAME |
| b. TYPE OF COM | the state of the s | | Da | * | CILLERY H | ECEIV | | | _ | |
| NEW WELL | WORK DEEP | PLUG BACK | DIFF. | | ther NO | V 18 | 1976 ไล้ม | S. FARM O | h Un: | |
| 2. NAME OF OPERAT | | | | | | ON O | 2.5 | Unit | | - |
| rexaco ind | . Att | ention: | G. L | . Eat | on GAS | | | 9. WELL N | | |
| 3. ADDRESS OF OPE | RATOR | | | | | | | H222 | , | |
| P. O. Box | | | | | | | C) | | | , OR WILDCAT |
| 4. LOCATION OF WE | | | | with any | State re gi ji | nements | | Anet | h Fie | a1 <i>d</i> |
| At surface | SE | NE's Sec | 2. 22 | | | The second second | | | ., R., M., O | R BLOCK AND SURVE |
| At top prod. int | erval reported belo | w 209 | 96' PN | L & 7 | 76' F | EL. | Sec. 2 | 2 | | 1400 5045 |
| At total damen | | | | | | | | Sec. | 44 | r40s-R24E |
| At total depth | | *. | | | | | | | | |
| | | | 14. PERI | | | DATE IS | | 12. COUNT PARISE | Ŧ | 13. STATE |
| 5. DATE SPUDDED | 1.10 | | | | 0242 | | 21-75 | | Juan | Utah |
| | 16. DATE T.D. RE. | | | | prod.) 18 | . ELEVA | | SB, RT, GR, ETC.) | 1 | LEV. CASINGHEAD |
| 9-29-76 0. TOTAL DEPTH, MD | 10-18-7 | BACK T.D., MD & | 11-1- | | | | 4926' | | | 1945' KB |
| 5935 · | æ TVD 21. PLUG, | | | HOW MA | PLE COMPL. Y* | " | 23. INTERVAL DRILLED | BY | | CABLE TOOLS |
| 4. PRODUCING INTER | PVAL(S) OF THE C | 5837' | - - | · · · · · · | | | | Surf | | |
| Desert Cre | _ | | | AME (MD | AND TVD) | • | | | 25. | WAS DIRECTIONAL SURVEY MADE |
| neserr cre | | p: 5743 | , ` | | | | | | Ì | |
| 6. TYPE ELECTRIC | ND OTHER LOGS RI | | | | | | | · . | 1 07 = | No |
| PDC-CNL-GI | | | . Can | i ~ | | | | | 21. W. | AS WELL CORED |
| S. | VI MOETI, T | | | | | ···· | *** | | | No |
| CASING SIZE | WEIGHT, LB./F | | NG RECOR | | size | s set in | | ING RECORD | | |
| 8-5/8" | 28.55# | | 15' | | | 300 | | | . | AMOUNT PULLED |
| 5-1/2" | 14 & 15. | | | | .1" | | sacks | | | |
| J- L/ 40 | DV Colla | | | | /8" | | sacks | | | |
| | DY COLIG | 2 93 | - | ····· | | 430 | sacks | | | |
| 9. | L | INER RECORD | | | | 1 1 | 30. | TUBING RE | CORD | |
| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEM | ENT* | SCREEN (M | - | SIZE | DEPTH SET | | PACKER SET (MD) |
| None | | | | | (| | -7/8" | | <u>.MD)</u> | PACKER SEI (MD) |
| | | | | - | | - | -1/0 | 5817' | | |
| 1. PERFORATION REC | ORD (Interval, size | and number) | | ' <u> </u> | 82. | ACIL | SHOT, FR | ACTURE, CEME | NT SOUE | EZE ETC |
| Desert Cre | ek 5746-5 | 2' and 5 | 799-5 | B02 • | DEPTH IN | | | AMOUNT AND K | | |
| with 2 jet | shots pe | r foot. | | | 5799- | | - | 0 gal 15 | | · • |
| ·• . | • | | | | | | 75 | | - | |
| | | | | . | 5746- | 5752 | | <u>0 gal em</u> 0 gal 15 | | on acid |
| | | | | - | <u> </u> | | | 00 3 | 70 DC | ion maid |
| 3.* | | | | PRODU | CTION | | | no der e | muls: | ion acid |
| ATE FIRST PRODUCT | ION PRODUC | TION METHOD (F | lowing, gas | lift, pun | ping—size | and typ | e of pump) | | L STATUS | (Producing or |
| 11-1-76 | Pu | mping | 23 | " x] | 3" X | 24' | pump a | t 5782' | hut-in) | Producing |
| ATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. | | OIL—BBL. | | GAS-MCF. | WATER-B | BL. (| GAS-OIL RATIO |
| 11-4-76 | 24 | - | TEST PI | -> | 81 | : | 72 | 4 | , | 890 |
| OW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BB | L. | GAS- | MCF. | | ER-BBL. | | AVITY-API (CORR.) |
| - | | > | | - | • | - | | - | 1 4 | 12.5 |
| 4. DISPOSITION OF G | AS (Sold, used for f | uel, vented, etc.) | :. | | · · · · · · · · · · · · · · · · · · · | | | TEST WITN | | |
| | Sold | | | | • | - ; | | J. J. | Pres | slev |
| 5. LIST OF ATTACH | MENTS | - | | | | | | | | |
| | | | | ٠ | | | | | | |
| 3. I hereby certify | that the foregoing | and attached in | formation i | s comple | te and corr | ect as d | etermined fr | om all available | records | · · · · · · · · · · · · · · · · · · · |
| 010111 | 77/ | | | | آخان فیسید | 4 | | | | |
| 36. I hereby certify | | and attached in | | | | | | | | , 16. 19 |

USGS (3) Parmington

OGCC (2) SLC

*(See Instructions and Spaces for Additional Data on Reverse Side) GLE ARM Marathon

The Navajo Tribe Superior

Tenneco

Gulf(2) Exxon

Shell Sun (2) Conoco

INSTRUCTIONS

or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

should be listed on this form, see item 35.

Hem 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State

or Federal office for specific instructions.

Hem 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Hem 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Hem 29: "Sacks Gement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Hem 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

| FORMATION TOP BOTTOM | BOTTOM | DES | DESCRIPTION, CONTENTS, ETC. | | | TOP | |
|--|--------|-----|-----------------------------|---|------------|----------------|------------------|
| | | | | | NAME | MEAS. DEPTH TE | TRUE VERT. DEPTH |
| | - | - | | | | | |
| | | | | | | | |
| | | | | | | | |
| Month of the state | 2 | | | | Mavalo | 928 | |
| サイジョーのサインン | | | | | | | |
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| 1 | | | | | Dechelly | 2832 | |
| TOTON OF TOTON | • | | | | | | |
| | - | | | | Hermons | 4696 | |
| | | | | | |) | |
| | .* | | | | Tempo | 5588 | |
| | | | | - | |) | |
| | | | | | Teest Ores | 62743 | |
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| 14 | | | | | | | |

ED STATES TED STATES SUBMIT IN TRI (Other instruction verse side)

| GECLOGICAL SURVEY | I-149-INE | -8836 |
|---|---|--|
| SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different beservoir. Use "APPLICATION FOR PERMIT—" for such proposals,) | 6. IF INDIAN, ALLOTTER | E OR TRIBE NAME |
| OIL WELL WELL OTHER | Aneth Unit | T 1 |
| TEXACO Inc. Attention: G. L. Eaton | 8 FARM OR LEASE NAM | 1E |
| OIL WELL X WELL OTHER 2. NAME OF OPERATOR TEXACO Inc. Attention: G. L. Eaton 3. ADDRESS OF OPERATOR P. O. Box 2100 Denver Colorado 80201 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) | WELL NO. H2.22 10. FIELD AND FOOL, O. | P. WILDOAT |
| See also space 17 below.) At surface SE 14 NE 4 Sec. 22 | Añeth 11. SEC., T., R., M., OR F | |
| 2096' FNL & 776' FEL, Sec.22 | SURVEY OF AREA Sec. 22 T40 | |
| 14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 43-037-30242 4926 'GR | 12. COUNTY OR PARISH | Utah |
| Check Appropriate Box To Indicate Nature of Notice, Report, or C NOTICE OF INTENTION TO: SUBSEQ | Other Data UBNT REPORT OF: | |
| TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE PULL OR ALTER CASING WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING | REPAIRING C. ALTERING C. ABANDONME | ASING |
| | s of multiple completion detion Report and Log for | |
| 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates proposed work. If well is directionally drilled, give subsurface locations and measured and true vertice nent to this work.) * | , including estimated dat al depths for all marker | e of starting any s and iones perti |
| 7-13-78: MIRUSU. pulled pump and rods. Tagged botte Perf. 5755-65 & 5780-90' K.B. w/ 2JSPF. Ra and set RBP @ 5815 and pker @ 5772' Pumper | an tubing and | l packer |
| HCL across prefs. 5780'-5802' K.B. Followe HCL PAE acid. Communication was noted. Put | ed $w/1000$ gal | ls 28% |
| K.B. pumped 1000gals. PAE acid. Moved RBP | to 5772 K. F | . pkr @ |

5700' K.B. pumped 250 gals to perfs. w/ 3000 gals 28% PAE. Rerun Pruduction string and placed well on production. Oil Water

5

15 Test After: 59

Test Before:

Successful ETWO

| | | | | | | | 1.5 | *** | |
|------------------------------|----------------|-------------|-------|--------------------|----------|-------|--------|-------|----|
| S. I hereby certify that the | ~ ~ | | TITLE | Field | Foreman | | DATE _ | 7-24- | 78 |
| (This space for Federa | • | | TITLE | | | | DATE | 12. | |
| CONDITIONS OF APP | ROVAL, IF ANY: | | | | | | | | |
| USGS (4) | ogcc (3) | GLE *Soo | | ARM tions on Re | Superior | Nava: | jo Tr | ibe | |



UNITED STATES DEP. **GEOLOGICAL SURVEY**

| 5. LEASE | |
|----------|----------|
| I-149- | IND-8836 |

| | pproved | | | |
|--------|---------|-----|------|--------------|
| Budget | Bureau | No. | 42-I | R1424 |

383

834

| ONITED | SIMILS | 5. LEASE | |
|------------|--------------|----------|---------|
| ARTMENT OF | THE INTERIOR | I-149 | -IND-88 |

| I-149-I | ND-8836 | 4.3 | 1.5 |
|---------------|---------------------------|------|-------|
| 6. IF INDIAN, | ALLOTTEE OF | TRIB | E NAM |
| Navvaio | way and the second of the | £** |). I |

| | | PORTS ON | |
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(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir, Use Form 9–331–C for such proposals.)

| 7. U | NIT AGE | REEME | NT NA | ME |
|-------------|---------|---------|-------|----|
| ΔY | neth | IIn i i | | |
| | 10011 | O I I I | - | |

| and the second of the second o | 8. | FARM | OR | LEASE | NAME |
|--|----|------|----|-------|------|
| | | | | Tie. | 4 |

| well | well | ш | other | | 9. WELL N |
|---------|----------|-----|-------|--|-----------|
| 2. NAME | OF OPERA | TOR | | | H222 |

Texaco Inc.

10. FIELD OR WILDCAT NAME

3. ADDRESS OF OPERATOR

well 🗵

gas

Aneth

P.O. Box EE, Cortez, CO 81321 4. LOCATION OF WELL (REPORT LOCATION CLEARLY, See space 17 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

AT SURFACE: 2096' FNL & 776' FEL, Sec. 22 AT TOP PROD. INTERVAL:

Sec. 22, T40S, R24E 12. COUNTY OR PARISH 13. STATE San Juan Utah

AT TOTAL DEPTH:

14. API NO.

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

15. ELEVATIONS (SHOW DF, KDB, AND WD) 4944 DF

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL PULL OR ALTER CASING MULTIPLE COMPLETE CHANGE ZONES ARANDON* (other) Convert to Wtr.

APPROVED BY THE BINISION OF tiple completion or zone OIL, GAS, AND MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Texaco Inc. plans to convert Aneth Unit Well H222 from oil producing to water injection status. All work will be done in accordance with USGS and UOGCC regulations. Proposed procedure is as follows:

- Pull production equipment and clean out to 5895' KB.
- Perforate 5804-12, 5816-22, 5842-81 with 2 JSPF.
- Run plastic-coated tubing and packer. Set packer at 5720' KB and inhibit tubing-casing annulus.
- Place well on injection. 4.
- Run tracer survey after injection rate stabilizes and acidize if necessarv.

In addition, a 350' injection line (2 7/8" cmt-lined steel) will be

| laid from H222 al | long existing | lease roads. | | | |
|--|---------------|--------------|--|-----|--|
| Subsurface Safety Valve: Manu. and 3 | Гуре | | Set @ | Ft. | |
| the contract of the contract o | | | and the second s | | |

18. I hereby certify that the foregoing is true and correct

| | | | | | and the second second second |
|----------------------|-------|-------|---------|------|------------------------------|
| SIGNED Chien R. many | TITLE | Field | Foreman | DATE | 3-14-80 |
| | | | | | |

(This space for Federal or State office use)

APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

USGS(4) UOGCC(3) Navajo Tribe-Superior Oil-GLE-ARM

DIVISION OF OIL, GAS & MINING

TEXACC

Texaco Inc. P. O. Box EE Cortez, CO 81321

April 21, 1980

U.S. Dept. of the Interior Geological Survey P. O. Box 959 Farmington, NM 87401

Mr. James F. Sims District Oil and Gas Supervisor

Dear Mr. Sims:

5-22,405,24€ Please refer to Texaco Inc.'s Sundry Notices of Intent to Convert to Water Injection Wells No. Gl15 and H222' and your letter dated April 17, 1980. The follwoing information should complete the application for conversion as required by NTL-2B.

Approximately 38,000 BWPD is produced from the Desert Creek member of the Pennsylvanian Paradox formation and injected back into the same formation through approximately 130 WI wells. The latest analysis of this produced water (6-19-79) revealed 150,000 ppm dissolved solids. 376 ppm C1, and 453 ppm SO_4^- . The wells are to have internally coated (Tubecoat TK-75) tubing and retrievable injection packers. The tubingcasing annulus of each well is to be treated with ½ gallon per barrel TC-6768A corrosion inhibitor. The wells should take approximately 500-1000 BWIPD at 1900 to 2250 psi WHP.

Radioactive injection surveys will be run on all conversions as their rates and pressures stabilize. Thereafter, periodic surveys will be run to assure that the injected water is confined to the proposed injection interval. Also, casing pressures will be monitored to insure against tubing and/or packer leaks or casing leaks. If pressure is noted on the backside and can't be bled off, the well will be shut-in until corrective action is taken to repair the cause of the backside pressure.

The only known aguifer in the area is a spring located approximately 3/8 mile southwest of Aneth Unit Well Gll5. Analysis of this water indicated 2000 ppm Cl.

The following downhole information is available for the subject wells:

G115

TD=5805' PBTD=5720'

9 5/8", 32.3# csg set at 1478'. Hole size=12 1/4" Cmt with 1000 sx reg cmt - circulated to surface

5 1/2", 14#(5500') and 15.5#(295') csg set at 5804'. Hole size=8 3/4" Cmt with 500 sx reg cmt top at 5765'



Form Approved. Budget Bureau No. 42–R1424

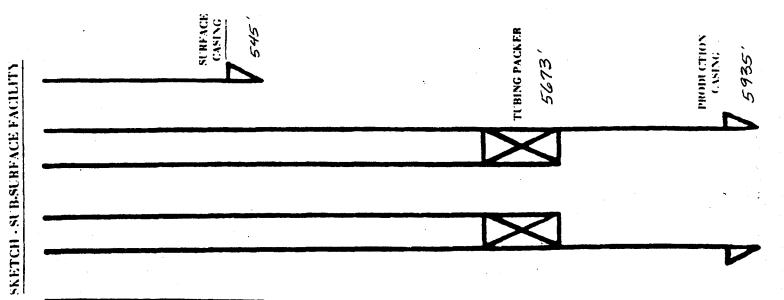
| | C. MED STATES | 5. LEASE | |
|--|--|--|-----------|
| | DEPARTMENT OF THE INTERIOR | I-149-IND-8836 | |
| | GEOLOGICAL SURVEY | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo | |
| SHINDRY | NOTICES AND REPORTS ON WELLS | 7. UNIT AGREEMENT NAME | |
| | orm for proposals to drill or to deepen or plug back to a different 19-331-C for such proposals.) | A A CALL THE MALE AND A COLUMN | |
| reservoir, Use Form | 1 9–331–C for such proposals.) | O. PARIVI OR LEASE NAME | |
| 1. oil 🔀 | gas other | Unit 9. WELL NO. | |
| 2. NAME OF C | | H222 | |
| Texaco | | 10. FIELD OR WILDCAT NAME | |
| 3. ADDRESS C | | Aneth | |
| | Sox EE, Cortez, CO 81321 | 11. SEC., T., R., M., OR BLK. AND SURVEY | OR |
| below.) | OF WELL (REPORT LOCATION CLEARLY. See space 17 | | |
| | E: 2096'FNL & 776'FEL, Sec. 22 | Sec. 227 T40S, R24E | |
| | OD. INTERVAL: | San Juan Utah | |
| AT TOTAL D | DEPTH: | 14. API NO. | |
| | PROPRIATE BOX TO INDICATE NATURE OF NOTICE, | 14. ACI NO. 4554 \$ 1 | |
| REPORT, OF | R OTHER DATA | 15. ELEVATIONS (SHOW DF, KDB, AND W | /D) |
| REQUEST FOR | APPROVAL TO: SUBSEQUENT REPORT OF: | 4944 DF | |
| TEST WATER SH | _ | | |
| FRACTURE TREA | | | |
| SHOOT OR ACIE | DIZE 🗍 🗍 | · · · · · · · · · · · · · · · · · · · | |
| REPAIR WELL | | (NOTE: Report results of multiple completion or z | one |
| PULL OR ALTER MULTIPLE COM | | change on Form 9–330.) | |
| CHANGE ZONES | · | | 4 |
| ABANDON* | | | |
| (other) Con | vert to water inj | | |
| including es | PROPOSED OR COMPLETED OPERATIONS (Clearly stat timated date of starting any proposed work. If well is d nd true vertical depths for all markers and zones pertiner | directionally drilled, give subsurface locations a | es, nd |
| 8-29-80: | MIRUSU. Pulled rods, pump, ar | nd tubing. Circulate out | |
| | | r to 5837' KB. Ran 2 3/8" | |
| | plastic-coated tubing and 5 1/ | | |
| | at 5680' KB. Placed well on i | | |
| | | (A) • 77 | 1 |
| | Test: 500 BWIPD, 0 psi | | |
| | | | |
| | | | 7 |
| | | (6) | |
| | | 1011 | |
| Subsurface Safet | ty Valve: Manu. and Type | Set @ | Ft. |
| 18. I hereby cert | tify that the foregoing is true and correct | 그 그는 그는 상 문활화 사회 문화병한다. | |
| SIGNED The | R. Mary TITLE Field Forem | nan DATE 9-15-80 | |
| | (This space for Federal or State off | | |
| | | | |
| APPROVED BY | NPROVAL, IF ANY: | DATE | |
| and the second s |) UOGCC(3) Navajo Tribe-Superio | or Oil-GLE-ARM | |

INSTRUCTIONS

- 1. Attach qualitative and quantitative analysis of fresh water from 2 or more producing wells within 1 mile of injection well showing location of wells and date samples were taken, or statement as to why samples were not submitted.
 - 2. Attach qualitative and quantitative analysis of representative sample of water to be injected.
- 3. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within ½ mile, together and with name of operator.
- 4. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division.)
 - 5. Attach Electric or Radioactivity Log of Subject well (if released).
- 6. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of coment used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
- 7. The original and 6 copies of application, and one complete set of attachments shall be mailed to the Division.
- 8. Deliver 1 copy of application to landowner on whose land injection well is located and to each operator of a producing leasehold within ½ mile of injection well.
- 9. Affidavit of mailing or delivery shall be filed not later than five days after the application is
- 10. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county in which the well is located. The Division shall file proof of publication before the application is approved. The notice shall include name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and valume. If no written objection is received within 15 days from date of publication the application will be approved administratively.
- 11. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed September 1st, each year.
- 12. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
 - 13. If there is less intervening thickness required by Rule I-5 (b) 4 attach sworn evidence and data.

CASING AND TUBING DATA

| NAME OF STRING | SIZE | SETTING DEPTH | SACKS CEMENT | TOP OF CEMENT | TOP DETERMINED BY |
|----------------|------------------------------------|------------------|-----------------------------|---------------------|----------------------------------|
| Surface | 8-5/8" | 545' | 300 | SURF | Cire |
| Intermediate | | | | | · |
| Production | 5-1/2" | 5935' | 750 | NA | |
| Tubing | 2-3/8" | 5673' | OT/5 5-1/2" | s - Type - Depth of | Tubing Pocker 5673 |
| Total Depth (| Geologic Name - Inj DESERT CREE | Zone Dept | h - Top of Inj. In 5746' | | - Base of Inj. Interval 5802' |



PACKERS SET

5673' KB

5935'

TOTAL DEPTH

| • |
|-----|
| - 4 |

(Rule 1-5 (b) 2 (To be filed within 30 days after drilling is completed) I-149-IND-8836 DEPARTMENT OF NATURAL RESOURCES AND ENERGY DIVISION OF OIL, GAS, AND MINING Room 4241 State Office Building API NO Salt Lake City, Utch 84114 COUNTY San sec 22 TWP. 40S RGE. 24E COMPANY OPERATING TEXACO Inc. ___P__O__Rox_EE OFFICE ADDRESS ... town ____Cortez ___ state zw __Colo _ 81321 FARM NAME Anoth Unit WELL NO. H222 DRILLING STAFFED 9-29 19 76 DRILLING FINISHED 10-18 19 76 DATE OF PIRST PRODUCTION 11-1-76 COMPLETED 11-1-76 WELL LOCATED SW & SE & NE & 3184 FT. FROM SI OF SEC. & 4504 FT. FROM WILDE SEC. REVATION DERRICK PLOOF 4944' GROUND 4933 TYPE COMPLETION Single Zone DESERT CREEK Pulse No. Multiple Zone _ Comingled LOCATION EXCEPTION OR OR GAS ZONES Te T. DESERT CREEK 5746 5802' CASING & CEMENT Casina Set Cog. Tost Size Fillup Top Wet Grade Feet Sax C.120 SURF 28.55 300 1000 2000 750 NA

| 1 | 2 | 3 |
|---|--|--|
| Desert Creek | Desort (ook | DESERT PREFY |
| 40 acre | 40 acre | 40 AERE |
| 012 | 7/13/78 | INS |
| 5746-5752' | T | |
| 5799-5802' | 5780-90 | |
| 5799-5802' 100 GAL 1576 HELL 8 750 GAL EMULLION | 5780-5802 W/ 120040152890 HCL | |
| 100 GAL 1590 HEL | DAE-HCL | , |
| | 01L 5746-5752' 5799-5802' 5799-5802' 100 GAL 1570 HEL \$ 750 GAL EMUSON 5746-5752' 100 GAL 1570 HEL | 40 acre 40 acre 012 7/13/78 5746-5752' 5755-65 5799-5802' 5780-90 5799-5802' 5780-3802 w/ 100 GAL 1572 Heel 1200 gals 2870 HCL \$ 750 GAL Emusion 5746-5773 5746-5752' w/4000 gals 2870 |

INITIAL TEST DATA

| Date | 11-4-76 | 7/13/78 | | 8-29-80 |
|----------------------------|---------|---------|----|---------------------------------------|
| Off. bbl./day | 81 | 59 | | |
| Olf Gravity | 42.5 | | | |
| Ges. Cv. Ft./day | 72,000 | | CF | Œ |
| Ges-Oli Ratio Co. Pt./Sbi. | 890 | | | · · · · · · · · · · · · · · · · · · · |
| Water-Shi./day | 4 | 15 | | 500 BWIPY |
| Pemping or Flowing | PUMPING | | | |
| CHOKE SIZE | _ | | | ··· |
| MOW THEMS PRESSURE | | | 上 | |
| _ | | | | |

A record of the fermations drilled through, and partinent remarks are presented on the reverse. (use reverse side)

🚉 the undamigreed, being first duly swem upon eath, state that this well record is true, correct and complete excerding to the records of this office and to the best of my knowledge and belief,

Totophono 1-303-565-8401/10-State of Colorado

County of Montezuma 16th day of Dec. 1983

My commission expires 10/25/87 for A. Rylel

728 N. Beech, Cortez, Co. 81321

STATE OF UTAH DIVISION OF OIL, GAS, AND MINING ROOM 4241 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114 (801) 533-5771

FORM NO. DOGM-UIC-1

| | (RULE 1-5) |
|--|------------|
| IN THE MATTER OF THE APPLICATION OF Texaco Inc. | |
| ADDRESS P. O. BOX EE | |
| Cortez, Colorado ZIP | 81321 |
| INDIVIDUAL PARTNERSHIP CORPORTA FOR ADMINISTRATIVE APPROVAL TO DISPO INJECT FLUID INTO THE AU H222 | TION XX |
| SEC. 22 TWP. 405 RANGE | _24E_ |
| | TY, UTAH |

| CAUSE NO. | |
|--|---|
| ENHANCED RECOVERY INJ. WELL DISPOSAL WELL | 8 |

APPLICATION

| lease Name Aneth Unit | Well No. | Field A | neth | County San Juan |
|--|---------------------------------------|--|-------------------------------------|---|
| ecation of Enhanced Recovery | H 222 | ^ | neth. | San Juan |
| njection or Disposal Well <u>SE 14- A</u> | <u> </u> | 22 | Twp 405 | Rge. 24E |
| low Well To Be Drilled Yes D NeXX | Old Well To Be C Yes | enverted • No X | Casing Tost | 8 No (1) Date 10-18-76 |
| Pepth-Base Lowest Known 1280' rosh Water Within 1/2 Mile | Does Injection Zo Oil-Gas-Fresh We | one Contain ster Within ½ Mile YESX | | State What Oil & Gas |
| ocation of Aneth Unit P njoction Source(s) Wells & S | roducing an Juan River | Geologic Name(s) and Depth of Sour | Desert Cr | reek & Ismay |
| poologic Name of Paradox: | | Depth of Injection Interval 5740 | | |
| s. Top of the Perforated Interval: 5746 | | rosh Water: 1004 / E | Intervenine Thirt | noss (e minus b) 4466 |
| ne Names and Addresses of These Te | Maximum Whom Copies of This / | Application and Attachmo | 2,000 2,500 ents Have Boon Se | B/D PSI |
| Box 146 | | | | |
| Window Rock, A | rizona 8651 | 5 | | |
| ote of <u>Colorado</u> | .) | alun | R. mo | Field St |
| only of Montezuma | ity, on this day person | olly appeared Alv | in R. Ma | rx |
| Before the, the undersigned authori even to and in the person whose nor | me is subscribed to the | | | |
| therized to make the above report and | The same of the same of | ån er inn incl? simied (Ue | rein, and that seld | report is true and correct. |
| | The same of the same of | ån er inn incl? simied (Ue | mein, and that seld | t report is true and correct. D. Roy Gal |

728 N. Beech, Cortez, Co. 81321

NL Treating Chemicals/NL Industries, Inc.

WATER ANALYSIS REPORT

| | | | | SHEET NUMBER |
|--|--|------------------|--|---|
| TEXACO, THE | CORPORATED | | | S APRIL |
| AAETH | | | COUNTY OR PARISH | STATE |
| TIPU AC 3212 | WELL SI NAME C | DR √0. | SAN JUAN | UTAH |
| ANETH | INJECTION | 1 WATER | | • |
| SERTH, FL. SHT. F | SAMPLE SOURCE | TEWE. F | WATER, BBL 'DAY OIL, BBL 'DAY | GAS, TAMORIDA |
| SATE SAMPLED | PLANT TYPE OF NATER | | | |
| 4 APRIL 1982 | T PRODUCED | ⊠ su=≎tγ | X WATERFLOOD | SALT WATER |
| | K.Y. | TER ANALYSIS | | |
| | | | CATES me. (1. SCALE UNIT) | |
| 15 Na 20 15 | | C T (; T T T T T | \$:0 | 15 20C1 |
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| 100 Ca | | ->=+ ++ | ++++++++ | 1 1 1 1 но |
| | | | | ' ' ' ' |
| 100 Mg | 100 | ++++ | 18111111111 | <u> </u> |
| | | 1 1 1 1 1 | | 1 1 1 1 1 1 |
| 0.1 Fe | | | | 1 1 1 |
| | | | | |
| DISSOLVED SOLIDS | • | | DISSOLVED GASES | |
| L | | | • | |
| CATIONS Total Hardness | me/l* | <u>ma/1*</u> | Hydrogen Sulfide, H ₂ S | 337.5 mg/l |
| Calcium, Ca | <u>392.0</u> 268.0 | 5360 | Carbon Dioxide, CO2 | 185.0 mg/l |
| Magnesium, Mg - | 124.0 | 1519. | | mg/l |
| ron (Total) Fe | 0.5 | 10. | | |
| Barium, Ba** | | | : store ! Elt. 1E5 | |
| Socium, Na (cale.) | 1035.1. | 23807. | - rin- | 6.65 |
| | | | Eh (Redox Potential) | N.D. MV |
| ANIONS | | | Scecific Gravity | N.D. |
| Chloride, CIT | 1360.3 | <u>49000.</u> | • • • | <u> 2.D.</u> |
| Sulfater 50. | 24.5 | 1175. | | c.) <u>81385.3</u> mg " |
| Carboniste, COst | 0.0 | | | +0.39 |
| Bicarbonate, HCO3 | 4.0 | 244. | | +1.32 |
| | 0.0 | | | |
| mydroxyl, Un = | | 0. | | |
| nygroxyt, Un Sulfide, S= | [8.8] | 3.00 | 0 2 <u>176</u> F | 306.8 Me/ |
| Sulfide, S= | | | Max. CaSO 4 Possible (caic. | 306.8 me/1 24.5 me/1 |
| Sulfide, S= | | | Max. CaSO ₄ Possible (caic. Max. BaSO ₄ Possible (caic. | 306.8 me/l) 24.5 me/l) 1.0 mg/l |
| Sulf.de, S = | (8.8) | | Max. CaSO 4 Possible (caic. | 306.8 me/l) 24.5 me/l) 1.0 mg/l |
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| Sulfide, S = | LITATIVE) | 3.00. | Max. CoSO4 Possible (caic. Max. BoSO4 Possible (caic. Residual Hydrocarbons | 306.8 me/1) 24.5 me/1) 1.0 mg/1 N.D. ppm(|
| Sulfide, S = SUSPENDED SOLIDS (QUAL Iron Sulfide Iron Oxi | LITATIVE) | 3.00. | Max. CaSO Possible (caic. Max. BaSO Passible (caic. Residual Hydrocarbons | 306.8 Me/I) 24.5 Me/I) 1.0 mg/I N.D. ppm(|
| Sulfide, S= SUSPENDED SOLIDS (QUAL Iron Sulfide | LITATIVE) ide Calcium Carb | 3∞. | Max. CaSO4 Possible (caic. Max. BaSO4 Possible (caic. Residual Hydrocarbons Acid Insoluble *NOTE: me used interc | 306.8 me/l) 24.5 me/l) 1.0 mg/l N.D. ppm(e/l and mg/l are com |
| REMARKS AND RECOMMEN WATER SHOWS A T | LITATIVE) ide Calcium Carb IDATIONS: | 3∞. | Max. CaSO Possible (caic. Max. BaSO Possible (caic. Residual Hydrocarbons Acid Insoluble NOTE: me used intercorespective | / and mg/l are contangeably for epms and p |
| Sulfide, S= SUSPENDED SOLIDS (QUAL Iron Sulfide | LITATIVE) ide Calcium Carb IDATIONS: | 3∞. | Max. CaSO Possible (caic. Max. BaSO Possible (caic. Residual Hydrocarbons Acid Insoluble NOTE: me used intercorespective | 306.8 me/l) 24.5 me/l) 1.0 mg/l N.D. ppm(w/l and mg/l are com hangeably for epm and pertions should be me |
| Sulfide, S= SUSPENDED SOLIDS (QUAL Iron Sulfide | LITATIVE) ide Calcium Carb IDATIONS: | 3∞. | Max. CaSO 4 Possible (caic. Max. BaSO 4 Possible (caic. Residual Hydrocarbons NOTE: me used interc respective used, corre | 306.8 Me/l) 24.5 Me/l) 1.0 mg/l N.D. ppm/ e/l and mg/l are com hangeably for epm-and pertions should be me |

| JEXACO PERMANENT | ROUTINE | SIGNED SIGNED | 84 | |
|--|---------------|----------------|--------------|---------------|
| T F EFWINISH | D ROUTRE | ☐ TEMPORARY | | s = 2%. |
| | | 2.8 | | |
| | | (LOCATION | (DATE) | 19_ |
| | | | | |
| | | Subject: VVVVV | analysis for | 71m |
| The second secon | | Navat | o Aguifer | |
| | | | | |
| Aneth Unit HALS | | | | ٠. |
| Location- SEYA - SEYA So | C15. TAD | S RZAZ | • • | |
| Sample Date - 1-17- | | , | | |
| Depth: Nougjo Aqui. | Ren | | _ | |
| Temp- 67° F. | | | * | |
| | | | | · · · · · · · |
| Ph - 8,7 | 2~77 | | | |
| Total Ossolved Solich | <u>- 25/3</u> | ppin | | |
| | | 1 | • | |
| 5102 - 16ppm | <u> </u> | - 130 ppm | | |
| Cat - 700m | HCO3- | - 156 ppm | | |
| Cat - 7ppin Matt - 28 ppm | 50;= | 599 ppm | | |
| Na+ - 76 ppm | C1- | - 757 00 | | |
| Ma = so blim | | - 757 ppm | | |
| A -> (1) \ G A>> | | | | |
| Anoth Unit GAZZ | C >> | <u> </u> | * . | ` |
| Location- SW/4-SEV4 | Sec as, | 1405, R24 E | • | |
| Sample Date- 1-18-59 | | | | |
| Deoth- Navajo Aguit | er. | | | |
| Temp = 670F | | | | |
| Ph - ' 9.2 | | 74 T | _ | |
| - abilas boubació las oT | 2893 20 | N | | |
| | 2002 H |) <u>m</u> | • | |
| 50.1700 | C = 20 | ~ C | - | |
| 2102-1160m | <u> </u> | 92 6 bm | | |
| Cai - 6 ppm | HC03 - | 219 bbm | · · | |
| Mg 8 ppm | 50, = - | 362,00m | | |
| NA - 91500m | | 271 00m | | |
| \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | : | | | |
| MET TO SERVICE AND A SERVICE A | | | | |
| " Note: these numbers | - (.70° ×) | Jamed from | Texaco Fil | O, P |
| In the Denver Dr | | | <u> </u> | פע |
| f letter requires reply prepare in triplicate, for- | 000 | 0x 3100 | | • |
| warding original and duplicate, and retain copy | Denve | CD - | | |
| | | , 8050/ BA | | |

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

| County | | | | Var | 7-30247 |
|--------|--|---------|------------|--|---|
| - | $oldsymbol{arphi}$ | | | | |
| Jew Me | ell Conversion Disposal Well | E | nhanced H | Recovery | Well Z |
| | | | | YES | . <u>NO</u> |
| | UIC Forms Completed | | | | · . |
| | Plat including Surface Owners. Leas and wells of available record | eholde: | rs, | | ·. |
| | Schematic Diagram | | - | <u></u> | *************************************** |
| | Fracture Information | i. | · <u>-</u> | | |
| | Pressure and Rate Control | | _ | <u></u> | |
| • | Adequate Geologic Information | | _ | 6 | |
| | Fluid Source | | | eserte | reck - So |
| | Analysis of Injection Fluid | Yes | No | | TDS 8/38: |
| | Analysis of Water in Formation to be injected into | Yes | No | | TDS 81389 |
| •• | Known USDW in area | Mora | 11- | Depth | 1280 |
| | Number of wells in area of review | 4 | Prod. | 5 | P&A O. |
| | | | Water | 0 | Inj. 3 |
| | Aquifer Exemption | Yes | N. | | |
| ÷ | Mechanical Integrity Test | Yes | | - | |
| | | Date | | Type | |
| Comme | ents: | | | | |
| | | | | | |
| | | | | <u> </u> | |
| | | | | ······································ | |
| - | | | | | |

Utah Division of Oil, Gas, and Mining Casing - Bradenhead Test

Operator:

TEXACO INC.

Field/Unit: GREATER ANETH

Well:

H-222

Township: 40S

Range: 24E

Sect:22

API:

43-037-30242

Welltype: INJW

Max Pressure: 2500

Lease type: INDIAN

Surface Owner:

OLAVAR

Last MIT Date: 10/18/76

Witness: F

Test Date: 6/2/87

CASING STRING

SIZE

SET AT

PRESSURE

OBSERVATIONS

Surface:

8 5/8

545

Intermediate:

0

Production:

5 1/2

5935

125

did not blan

Other:

0

Tubing:

2 3/8

Packer:

5673

2250

Recommendations:

fecently worth over



355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 12, 1987

CERTIFIED RETURN RECEIPT REQUESTED POOL 861 910

Texaco, Incorporated Post Office Box EE Cortez, Colorado 81321

Attn: A.A. Kleier

Gentlemen:

RE: Mechanical Integrity of Injection Wells in the Ismay-Flodine Park and Aneth Units

Recent field work and monthly reports have revealed probable tubing, packer and/or casing leaks in several injection wells located in the subject units. The following wells appear to have excessive casing pressure:

| ANETH UNIT | ISMAY-FLODINE | PARK | UNIT |
|---------------------|---------------|------|------|
| B-312 | T-121 | | |
| C-124 | T-316 | | |
| E-413 | T-327 | | |
| F-222 | V-220 | | |
| F-422 | T-120 | | • |
| G-120 | | | |
| G-136 | | | |
| H-222 405 245 Sec22 | | | |
| H-227 | | | |
| H-410 | | | |
| H-427 | | | |
| F-423 | | | |

Please submit written notice of Texaco's efforts to maintain proper mechanical integrity in these wells, include an evaluation of existing conditions, and future plans and schedules for corrective actions.

Page 2 June 12, 1987 A.A. Kleier

Thank you for your continued cooperation. If you have any questions regarding this request or the operation of Class II injection wells in Utah, please call.

Sincerely,

Gil Hunt

UIC Manager

mfp 0134U/77



Texaco



TEXACO INC.
P. O. BOX EE
Cortez, CO. 81321
June 30, 1987

DIVISION OF OIL, GAS & MINING

Mr. Gil Hunt UIC Manager State of Utah Natural Resources 355 W. North Temple Suite 350 Salt Lake City, Utah 84180

Dear Mr. Hunt,

In response to your attached letter dated June 12, 1987, Texaco is aware that some of our injection wells at our Aneth Unit and our Ismay Flodine Park Unit have revealed probable tubing and/or packer leaks. Texaco does not feel that casing leaks have developed since the casing and tubing pressure are the same. The casing pressure would be substantially less if a casing leak were present.

Texaco is presently attempting to perform 3 to 4 UIC repairs per month depending on manpower and budget. A well with a suspected casing leak is immediately shut in to prevent any possible environmental contamination. Our plans for the remainder of 1987 are to continue to repair several wells per month until all wells experiencing annulus pressure are repaired. Please note that Aneth Unit F222, H222 and H410 were worked on and repaired in June 1987. The IFPU V220 should be corrected to U220.

Texaco realizes the importance of maintaining the integrity of our injection wells. We will continue to work toward eliminating all wells with mechanical problems and attempt to identify on going failures in a timely manner. Texaco appreciates your cooperation regarding this matter and will continue to work closely with your department in correcting any inadequacies.

Please contact the Cortez office if you have any question regarding this matter.

Sincerely,

Alan A. Kleier

Attachment

cc: LAA file

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

| FORM | (APPR | OVED |
|-------------|---------|-----------|
| Budget Burn | eau No. | 1004-0135 |
| Expires: | March | 31, 1993 |

5. Lease Designation and Serial No.

I-149-IND-8836

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT—" for such proposals.

6. If Indian, Allottee or Tribe Name

| | Navajo | |
|---|---|---|
| SUBMI | 7. If Unit or CA, Agreement Designation | |
| I. Type of Well Oil Gas Well Well K OtherInjection | Aneth Unit 8. Well Name and No. | |
| 2. Name of Operator Texaco Exploration and Producin | H222 9. API Well No. | |
| 3. Address and Telephone No. 3300 N. Butler, Farmington N.M. | 4303730242 8662 10. Field and Pool, or Exploratory Area | |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey D. 2096 FNL & 776 FEL Section 2 | Desert Creek and Ismay 11. County or Parish, State | |
| 12. CHECK APPROPRIATE BOX | (s) TO INDICATE NATURE OF NOTICE | San Juan, Utah |
| TYPE OF SUBMISSION | ACTION | |
| Notice of Intent Subsequent Report Final Abandonment Notice | Abandonment Recompletion Plugging Back Casing Repair Altering Casing | Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection |
| 13. Describe Proposed or Completed Operations (Clearly state a give subsurface locations and measured and true vertice) | Acid stimulation Il pertinent details, and give pertinent dates, including estimated deal depths for all markers and zones pertinent to this work.)* | Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) late of starting any proposed work. If well is directionally drilled, |

Texaco Exp. and Prod. Inc. proposes to acid stimulate the subject well to increase the injection rate. The procedure will be as follows:

- 1. MIRU pump truck. Pump 2175 gal. of 15% HCL with additives in 1 stage.
- 2. Shut in well and wait to recover load volume for 1 hour.
- 3. Backflow well to recover load volume into pit.
- 4. Return well to injection and monitor.

Accepted by the State of Utah Division of

Oil, Gas and Mining

Bw

7-10-91 52-11-0



APR 0 9 1991

DIVISION OF OIL GAS & MINING

| Manager Date 04/08/91 |
|-----------------------|
| |
| Date |
| _ |

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

| ACCT NUM | COMPANY NAME | FLD | FIELD | NAME | TOWN | RANGE | SEC | QTR QTR | API NUMBER | PROD ZONE | WELL STATUS | ENTITY | WELL NAME |
|-------------|--------------|-----|---------|-------|----------------------------------|----------------------|----------------------|---------------------------|---|------------------------|---|---------------------------|--|
| NO980 TEX | VCO INC | 365 | GREATER | ANETH | 5400 | E240 E240 | 7 7 . 7 | SWNE | 4303715415 4303716308 | PRDX | PA | 99990 | |
| | | | | | \$400 \$400 \$400 | | 7 7 8 | SENE SESE | 4303716118 4303716322 4303716323 | HRMS HRMS HRMS | WIW WIW WIW | 99990 - | NAVAJO FEDERAL 7-1 (ANETH NAVAJO TRIBE FED 5-14 (ANE NAVAJO TRIBE L-3 (ANETH H. |
| | | | | | \$400 \$400 \$400 \$400 | E240 E240 | 8 8 8 | SESW SENWL | 4303716101 4303716298 4303716076 | PRDX PRDX HRMS | WIW WIW | 99990 99990 -99990 | SNAVAJOSEED9-1(ANETH.SE NAVAJOSTRIBESE-6(ANETH.SE SNAVAJOSTRIBESE-13(ANETH.SE SNAVAJOSEED8-1(ANETH.SE |
| | | | | | \$400 \$400 \$400 | E240 E240 E240 | 8 8 8 | NWSW L SENE L NWNE. | 4303716060 4303716119 4303716305 | PRDX HRMS - DSCR | WIW WIW | 99990 | NAVAJO TRIBE E=15 (ANETH NAVAJO TRIBE E-16 (ANETH NAVAJO TRIBE E-17 (ANETH NAVAJO TRIBE E-14 (ANETH |
| | | | | | \$400 \$400 \$400 \$400 | E240 E240 | 9 10 11 | SESW! SESE! SWSE! | 43037.16082 43037.16125 43037.15944 | PRDX PRDX PRDX | WIW | 99990 | NAVAUO TRIBE E-42 (ANETH ES NAVAUO TRIBE E-72 (ANETH HA NAVAUO A-10/34-11 (ANETH A |
| | • | | | | \$400 \$400 \$400 \$400 | E240 E240 | 11 11 13 13 | NESWU | 4303715941 | PRDX | WIW | 99990 | NAVAUO A-11/14-11 (ANETH& NAVAUO A-12/23-11 (ANETH: NAVAUO A-4/14-13 (ANETH: NAVATRIBE A-13/12-13 (ANE: |
| | | | | | \$400 \$400 \$400 | E240 E240 | 14 14 14 | SWNE SWNW | 4303715943 4303715939 4303715942 | PRDX PRDX | WIW skeeps WIW was and WIW was a skeeps | 99990 . 99990 99990 | NAVAUO ::A-7/32-14*:(ANETH::G& ::NAVAUO ::A-6/12-:14 ::(ANETH::E ::NAVAUO ::A-5/23-14 :(ANETH::F |
| • | | | | | \$400 \$400 \$400 \$400 | E240 E240 | 14 14 14 14 | SWSEL | 43037.15945. 43037.16421 | PRDX | WIW WIW. | 99990 | ANETHAF=114 *** NAVAUO **A = 1/34 = 14 *** NAVAUO **A = 2 ** (ANETH **E = 4.14) ** NAVAUO **A = 9/41 = 14 ** (ANETH **H |
| | | | | | \$400 \$400 \$400 | E240 E240 E240 | 15 15 21 | NWSWL NESEV | 4303730213: 4303730312: 4803716122. | DSCR DSCR PRDX | WIW SAME WIW | 99990 | , ANETH⊛E-315 。ANETH∈H-315.♣ . NAVAUO "TRIBE "D-7. (ANETH∴H |
| | | | | | \$400 \$400 \$400 \$400 | E240 E240 | 21 22 22 22 | NWNW L | 4303730215: 4303730373: | DSCR := | o desirence WIW. Si basika WIW. | 99990 99990 | NAVAUO TRIBE D-245 (ANETH& ANETH E-122 ANETH F-222 NAVAUO TRIBE D-19 (ANETH) |
| -: : | | | | | \$400 \$400 \$400 | E240 E240 E240 | 22 22 22 | NENE L NWNE L NWSE | 4303716117 4303730425 4303720231 | PRDX IS-DC | WIW WIW | 99990 99990 99990 | NAVAUO_TRIBE DE2。(ANETH∠H& JANETH∀G=122≯ JANETHJG=322X& |
| + 214 | | | | . • | \$400 \$400 \$400 \$400 | E240 E240 | 23 23 23 | SENE SENE C | 4303716123 4303716128 4303716079 | PRDX PRDX PRDX | WIW | 99990 99990 99990 | ANETH H-222 ANETH H-Z NAVAUO TRIBE C-8 (ANETH H-Z NAVAUO TRIBE C-3 (ANETH H-S NAVAUO TRIBE C-7 (ANETH ES |
| | | | | | \$400 \$400 \$400 | E240 E240 E240 | 23 23 23 | NWNEW SESW- NENWL | 43037.16306 43037.16086 4303730235 | DSCR PRDX IS-DC | WIW WIW | 99990 99990 99990 | NAVAUO TRIBESC-19 (ANETH 99) NAVAUO TRIBESC-173 (ANETH ANETH F-1234 - 4 NAVAUO TRIBESC-163 (ANETH |
| | | | | | \$400 \$400 | E240 E240 | 24 24 (| NWSW | 4303716069 | PRDX | WIW | 99990 | NAVAJO TRIBE C-10 (ANETH |



Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

| FORM | i appr | OVED | |
|-------------|---------|-----------|--|
| Budget Burn | eau No. | 1004-0135 | |
| Expires: | March | 31, 1993 | |

5. Lease Designation and Serial No.

I-149-IND-8836 SUNDRY NOTICES AND REPORTS ON WELLS 6. If Indian, Allottee or Tribe Name Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals Navajo 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE 1. Type of Well Aneth Unit Gas Well X Oth Injection well 8. Well Name and No. 2. Name of Operator Texaco Exploration and Producing, Inc. 9. API Well No. 3. Address and Telephone No. 43037302420002 3300 N. Butler, Farmington N.M. 87401 (505)325-4397 10. Field and Pool, or Exploratory Area 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Desert Creek and Ismay 11. County or Parish, State 2096 FNL & 776 FEL Section 22-T40S-R24E San Juan, Utah 12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Abandonment Change of Plans Recompletion **New Construction** Subsequent Report Plugging Back Non-Routine Fracturing Casing Repair Water Shut-Off Final Abandonment Notice Altering Casing Conversion to Injection Other Dispose Water (Note: Report results of multiple completion on Well Acid stimulation Completion or Recompletion Report and Log form.) 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* 4/16/91 - MIRU Smith. Pumped 2175 gal. 15% HCL w/ additives in 1 stage. Flushed tubing with 1250 gal. of H2O. Max. Pressure: 3700 psi. Avg. Pressure: 3600 psi. Avg. Rate: 2.2 BPM SIP: 2800 psi. Before: 89 BWIPD @ 2200 psi. After: 120 BWIPD @ 1850 psi. DIVISIONOF OIL CAS & MINING 14. I hereby certify that the foregoing is true and correct (This space for Federal or State office use) Approved by

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

Conditions of approval, if any



Texaco Exploration and Production Inc Midland Producing Division P O Box 3109 Midland TX 79702-3109

May 22, 1991



MAY 2 8 1991

DIVISION OF OIL GAS & MINING

Division of Oil, Gas, and Mining Attn: Ms. Lisha Romero 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

Gentlemen:

This is to advise that as a part of a reorganization of Texaco Inc., a Delaware corporation, the name of Texaco Producing Inc., a Delaware corporation and wholly owned subsidiary of Texaco Inc., has been changed to Texaco Exploration and Production Inc. Further, Texaco Exploration and Production Inc. will succeed to the rights, titles, interests and obligations of Texaco Inc.

This means that Texaco Exploration and Production Inc. will be the operator for all the oil and gas properties that were operated by Texaco Inc. and Texaco Producing Inc. We plan to abbreviate the name as Texaco E & P Inc. for purposes of submitting production reports, etc., via computer, and we suggest that for consistency you use that abbreviation also.

We have enclosed a Sundry Notice with a list of the wells which Texaco operates in Utah. Also attached is UIC Form 5 for transfer of injection authority. Please note that Texaco has two Divisions which operate wells in Utah. One is located in Denver, Colorado, and the other is in Midland, Texas. We have enclosed separate Sundry Notices and lists of wells for each Division. If you have questions concerning the Denver-operated wells, please call Roger Hadley at (303) 793-4833. If you have questions concerning the Midland-operated wells, please call Ken Miller at (915) 688-4834.

Please change any of your other records as necessary to reflect this change.

Yours very truly,

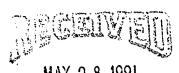
Rl. S. Lane

Assistant Division Manager

RKH/KMM-CC

Attachments

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5



MAY 2 8 1991

| | Con Abbanda I Time | DIVISION OF |
|---------------------------------------|---|-----------------------------|
| Well name and number: | See Attached Listing | <u>OIL GAS & MINING</u> |
| Field or Unit name: | API no | |
| Well location: QQ section to | wnship range county _ | |
| Effective Date of Transfer: 6-1-91 | · | |
| CURRENT OPERATOR | | |
| Transfer approved by: | | |
| Name R. S. Lane | • | |
| Signature / Same | Address P. O. Box 3109 | |
| TitleAttorney-in-Fact | Midland, TX 797 | 02 |
| Date | Phone (915) 688-4100 | |
| F | exaco Inc. 300 North Butler armington, NM 87401 505) 325-4397 | |
| NEW OPERATOR | (, | |
| Transfer approved by: | Toward Evelonati | |
| Name R. S. Lane | Texaco Exploration Company Production Inc. | |
| Signature Avalre | Address _ P. O. Box 3109 | |
| Title Attorney-in-Fact | Midland, TX 797 | 02 |
| Date | Phone (915) 688-4100 | |
| 3 F | exaco Exploration and Productio 300 North Butler armington, NM 87401 505) 325-4397 | n Inc. |
| (State use only) Transfer approved by | Title MTC MA | nogen |
| Approval Date 6-26-91 | <u> </u> | <u> </u> |

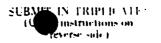
| Form 9. STA OF UTAH | |
|--|---|
| DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS AND MININ | • |
| | 7. Indian Allottee or Tribe Name |
| SUNDRY NOTICES AND DEPORTS O | NEVALET LO |
| SUNDRY NOTICES AND REPORTS O Do not use this form for proposals to drill new wells, deepen existing wells, or to ree | |
| Use APPLICATION FOR PERMIT—for such proper | |
| | |
| 1. Type of Well X Oil Gas Other (specify) | 9. Well Name and Number |
| 2. Name of Operator | 10. API Well Number |
| Texaco Exploration and Production Inc. | |
| 3. Address of Operator 3300 North Butler, Farmington, NM 87401 | 4. Telephone Number 11. Field and Pool, or Wildcat (505) 325–4397 |
| 5. Location of Well | (303) 323-4337 |
| Footage : | County: |
| QQ, Sec, T., R., M. : See Attached | State : UTAH |
| 12. CHECK APPROPRIATE BOXES TO INDICATE NA | ATURE OF NOTICE, REPORT, OR OTHER DATA |
| NOTICE OF INTENT (Submit in Duplicate) | SUBSEQUENT REPORT (Submit Original Form Only) |
| Abandonment New Construction | Abandonment * New Construction |
| Casing Repair Pull or Alter Casing | Casing Repair Pull or Alter Casing |
| Change of Plans Recompletion | ☐ Change of Plans ☐ Shoot or Acidize |
| Conversion to Injection Shoot or Acidize | Conversion to Injection Vent or Flare |
| Fracture Treat Vent or Flare | Fracture Treat Water Shut-Off |
| Multiple Completion Water Shut-Off | X Other Change of Operator/Operator Name |
| M Other Transfer of Plugging Bond | |
| Approximate Date Work Will Start | Date of Work Completion |
| Approximate Date Work Will Start | Report results of Multiple Completions and Recompletions to different reservoirs |
| | on WELL COMPLETION OR RECOMPLETION AND LOG form. |
| | * Must be accompanied by a cement verification report. |
| 13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertin locations and measured and true vertical depths for all markers and zones pertin | nent details, and give pertinent dates. If well is directionally drilled, give subsurface |
| pertin | (|
| | , |
| This submittal is for a change of operator (| name change) for all of the attached wells. |
| The new operator, Texaco Exploration and Pro | |
| sponsibility and liability under its good an | d sufficient bond or other security accepted |
| by the Department for proper plugging and su | rface restoration of the attached wells. All |
| contact personnel, office addresses and phon | e numbers will remain the same. |
| | |
| FORMER OPERATOR: TEXACO INC. | NEW OPERATOR: TEXACO EXPLORATION AND |
| | PRODUCTION INC. |
| SIGNED: XXX Care | SIGNED: KNOWNE |
| Attorney-in-Fact | Assistant Division Manager |
| SIGNED: Attorney-in-Fact | |
| DATE: | DATE: |
| | |
| 14. I hereby certify that the foregoing is true and correct | |

(State Use Only)

Name & Signature

Title Asst. Div. Manager Date

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL. GAS. AND MINING



| DIVI | SION OF OIL, GAS, AND | MINING | 5. LEASE DESIGNATION ING SERIAL NO. |
|---|--|--|--|
| Use "APPL | OTICES AND REPORT POSSIS to drill or to deepen or ICATION FOR PERMIT—" for I | IS ON WELLS plug back to a different receivoir. | 6. IF INDIAN, ALLOTTER OR TRIBE NAME |
| OIL WELL OTHER | | | 7. UNIT AGREEMENT NAME |
| Texaco Exploration | and Production Inc | | 8. FARM OR LEAGE NAME |
| P.O. Box 46510, De | enver, CO 80201 | A second desired desir | 9. WBLL NO. |
| 4. LOCATION OF WELL (Report location See also space 17 below.) At surface | n clearly and in accordance with | h any State reddirementals 1991 | 10. FIELD AND POOL, OR WILDCAT |
| | | DIVISION OF OIL GAS & MINING | 11. SEC., T., B., M., OR BLE, AND SURVEY OR AREA |
| 14. PERMIT NO. | 18. SLEVATIONS (Show when | her of, AT, GR. etc.) | 12. COUNTY OR PARISM 12. STATE |
| 16. Check | Appropriate Box To Indica | ate Nature of Notice, Report, or | r Other Data |
| NOTICE OF IN | TENTION TO: | 8808 | SQUERT REPORT OF: |
| TEST WATER SEUT-OFF | PULL OR ALTER CASING | WATER SHUT-OFF | REPAIRING WELL |
| FRACTURE TREAT | MELTIPLE COMPLETE | FRACTURE TREATMENT | ALTERING CARING |
| SHOOT OR ACIDIZE | ABANDON* | SHOUTING OR ACIDIZING | *THE MINOUINABA |
| REPAIR WELL | CHANGE PLANS | , | of Owner/Operator |
| (Other) Transfer of Pl | | Completion of Reco | nits of multiple completion on Well miletion Report and Log form.) test including estimated date of starting any |
| The New Operator Tex responsibility and lia | _, 19 91, Texaco In aco Exploration and bility under its go | ll its ownership rights ic. is no longer the Ope Production Inc. hereby od and sufficient bond gging and surface resto | erator of subject well. accepts operating |
| Former Operator: | | New Operator: | |
| TEXACO INC. Signed: Attorney-In-Fa | Jan : | Signed: | ration and Production Inc. Walnut is ion Manager |
| for Texaco Inc | ······································ | Date: 3 | /1/9/ |
| 18. I hereby certify that the forget | he is true and correct | Division Manager | 3/1/41 |
| BIGNED | TITLE | ranager | DATE |
| (This space for Federal or State | odes use) | 4 | DATE |
| C S OF APPROVAL. | | | DATE |

| OPERATOR CHANGE HORKSHEET | | | | Routing: |
|---|--|--|---|--|
| Attach all documentation received by the division Initial each listed item when completed. Write NA | - · · · · · · · · · · · · · · · · · · · | ble. | | 1- LER/GIL 2- DIS-D (5) 3- VLC 1 4- RJF |
| □ Change of Operator (well sold) □ Designation of Operator | ☐ Designation of xxx Operator Name (| | | 5- RWM 6- LCR ee |
| The operator of the well(s) listed below (TEXACO EXPLORATION AND PRO) TO (new operator) (address) (address) (address) TEXACO E & P INC. 3300 NORTH BUTLER FARMINGTON, NM 87401 BRENT HELQUIST phone (505) 325-4397 account no. N 5700 (6 | DUCTION INC.) FROM (former | | 1-1-91 TEXACO INC. 3300 NORTH E FARMINGTON, FRANK phone (505) account no. | NM 87401 325-4397 |
| Hell(S) (attach additional page if needed): | F=1:1 | C . T | | |
| Name: (SEE ATTACHED) API: Name: API: Name: API: Name: API: Name: API: Name: API: Name: API: | Entity:Entity:Entity:Entity:Entity:Entity:Entity:Entity: | SecTwp SecTwp SecTwp SecTwp SecTwp | 0Rng Le 0Rng Le 0Rng Le 0Rng Le | ease Type:ease Type: |
| OPERATOR CHANGE DOCUMENTATION LOC 1. (Rule R615-8-10) Sundry or oth operator (Attach to this form). C | 5-28-411 | | * | • |
| NM 2. (Rule R615-8-10) Sundry or other (Attach to this form). | <u>legal</u> documentation | n has been | received fro | m <u>new</u> operator |
| Jef 3. The Department of Commerce has b operating any wells in Utah. I yes, show company file number: | s company registere | e new opera d with the | tor above is state? (yes | not currently |
| Let 4. (For Indian and Federal Hells (attach Telephone Documentation comments section of this form. changes should take place prior | form to this rep Management review | ort). Mak of Federal | e note of and Indian | RIM status in |
| 10 5. Changes have been entered in the listed above. (6-11-91) | | | m (Wang/IBM) | for each well |
| for 6. Cardex file has been updated for | | | | |
| He 7. Well file labels have been update | ed for each well lis | ted above. | (will update when | a Liling-l |
| 8. Changes have been included on the for distribution to State Lands a | and the lax Commissi | on. | | ` |
| 9. A folder has been set up for the placed there for reference during | e Operator Change fi g routing and proces | le, and a sing of the | copy of this original do | page has been ocuments. |

TY REVIEW

- ી. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/(no)) ____ (If entity assignments were changed, attach copies of Form 6. Entity Action Form).
- 32. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

*D VERIFICATION (Fee wells only)

- P1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. # K0290791-4 80,000-Ins. Co. of N. America rec. 2-11-91.
- $\mathscr{G}_2.$ A copy of this form has been placed in the new and former operators' bond files.
- 43. The former operator has requested a release of liability from their bond (yes/no) Today's date _____ _____ 19___. If yes, division response was made by letter dated # m 157448 80,000-Ins. Co. of N. America

ASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- A1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated ______ 19___, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 12. Copies of documents have been sent to State Lands for changes involving State leases.

LHING

 All attachments to this form have been microfilmed. Date:

LING

- ot u 1. Copies of all attachments to this form have been filed in each well file.
- \mathscr{L} 2. The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Operator Change file.

MMENTS

BIm / Farming fon N.M. - Duan. Spencer (505) 327-5344 will follow up & Call back. BAM/ Farmington - Approved 4-2-91 "lompany Murger" Includes Anith Unit Ismay Flodine Unit.

St. Lands approved 4-15-91 "Merges".



Chevron U.S.A. Production Company Mid-Continent Business Unit P.O. Box 36366 Houston, TX 77236 Phone 713 754 2000

April 9, 2002

Mr. John Baza, Associate Director of Oil and Gas Utah Department of Natural Resources Division of Oil, Gas & Mining 1594 W. North Temple St., Suite 1210 Salt Lake City, UT 84114-5801 PEGEIVED

DIVISION OF UL, GAU AND MINING

Dear Mr. Baza:

As you may recall from our meeting last year, we planned to combine the assets of Chevron U.S.A. Inc. ("CUSA"), by merger, and Texaco Exploration and Production Inc. ("TEPI"), by assignment, into a new entity which we referred to as "Newco LP". Along the way, additional information came to light and it was decided that this proposed corporate restructure would not be preferable. Therefore, CUSA and TEPI have continued to operate as separate entities.

We are now planning a simpler restructuring process where TEPI will assign most of its assets/operatorship to CUSA effective May 1, 2002. We plan to use the existing CUSA bonds/letters of credit, operator identification numbers, etc., for the TEPI assets that will be assigned.

A task force of Land, Regulatory and Environmental Compliance personnel are finishing the work that was begun last year to assign TEPI's assets—using the same forms and procedures as before. We have "new faces" in this task force due to reassignments and departures. In some cases, it may be worthwhile to visit you and your staff in person where new people are involved or if we need to review/clarify your forms and procedures. Otherwise, we will endeavor to complete the work to assign TEPI's assets/operatorship to CUSA and deliver the requisite materials to you in a timely manner.

During discussions last year, our focus was on Land, Regulatory and Environmental matters. The Finance organization also desires to join in this effort. For State Tax, Royalty and Regulatory reporting purposes (applicable to production from May 2002 through December 2002), we intend to generate two reports and two payments.

However, the reporting company name and identification number will be CUSA's. Beginning with January 2003 production and thereafter, we will issue only one CUSA report and payment. We trust this plan meets with your approval. Any questions or comments should be directed to Rick Dunlavy (telephone 713/752-7411, rickdunlavy@chevrontexaco.com).

We appreciate the cooperation and guidance you provided us in the past, and we look forward to bringing these efforts to a conclusion.

Respectfully submitted,

Don R. Sellars

Sr. Environmental Specialist

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING



| TRANSFER | OF AUTHORITY TO INJE | ECT |
|--|----------------------|---|
| Well Name and Number Orangeville & Huntington, Emery County, Utah (See | | API Number |
| Location of Well | Authorica Well List) | |
| Footage: See attached well locations | County : Emery | Field or Unit Name See Attached Well List |
| QQ, Section, Township, Range: | State: UTAH | Lease Designation and Number See Attached Well List |

EFFECTIVE DATE OF TRANSFER: 5/1/2002

| CURRENT O | PERATOR | |
|-----------|------------------------------------|----------------------------------|
| Company: | | Name: <u>Althen S. Robins</u> on |
| Address: | 3300 North Butler, Suite 100 | Signature: Allus Colum |
| | city Farmington state NM zip 87401 | Title: Attorney-In-Fact |
| Phone: | (505) 325-4397 | Date: April 30, 2002 |
| Comments: | : | APILIT 30, 2002 |
| | | |

NEW OPERATOR Chevron U.S.A. Inc. Company: Name: P.O. Box 36366 Address: Signature: city Houston state TX zip 79702 Title: (915) 687-2000 Phone: Date: May 1, 2002 Comments:

(This space for State use only)

Comments:

Approval Date: 10/21/02

RECEIVED

MAY 0 6 2002

DIVISION OF OIL, GAS AND MINING

STITE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

| | | See Attached List of Wells |
|-------|--|---|
| | SUNDRY NOTICES AND REPORTS ON WELLS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | | BLM & State of Utah 7. UNIT or CA AGREEMENT NAME: |
| | ond use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drilf horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | Orangeville & Huntington |
| 1. T | OIL WELL GAS WELL OTHER Operator Name Change | 8. WELL NAME and NUMBER: |
| 2. N | NAME OF OPERATOR: | See Attached List of Wells 9. API NUMBER: |
| | hevron U.S.A. Inc. | S. AFTROMBER: |
| | DDRESS OF OPERATOR: O. Box 36366 CITY Houston STATE TX ZIP 77236 PHONE NUMBER: (281) 561-3443 | 10. FIELD AND POOL, OR WILDCAT: |
| | OCATION OF WELL CITY Houston STATE TX ZIP 77236 (281) 561-3443 | |
| F | OOTAGES AT SURFACE: See Attached List of Wells | county: Emery |
| 0 | DTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: | , |
| | ATTEM, SESTION, TOTALISE, MERIDIAN. | STATE: UTAH |
| 11. | CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO | |
| | TYPE OF SUBMISSION TYPE OF ACTION | OKT, OK OTTEK BATA |
| | NOTICE OF INTENT ACIDIZE DEEPEN | REPERFORATE CURRENT FORMATION |
| ····· | (Submit in Duplicate) ALTER CASING FRACTURE TREAT | SIDETRACK TO REPAIR WELL |
| | Approximate date work will start: CASING REPAIR NEW CONSTRUCTION | TEMPORARILY ABANDON |
| | CHANGE TO PREVIOUS PLANS OPERATOR CHANGE | TUBING REPAIR |
| [] | CHANGE TUBING PLUG AND ABANDON | VENT OR FLARE |
| | SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only) | WATER DISPOSAL |
| | Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME) | WATER SHUT-OFF |
| | COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE | OTHER: Operator Name |
| | CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION | Change (Merger) |
| 12. | DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume | nes, etc. |
| Eff | fective May 1, 2002, Chevron U.S.A. Inc. is the new operator of the attached list of subjective to the subjective project of the attached list of subjective to the subjective project of the strategy of the subjective project of the subject of the subj | ct wells and leases that were |
| of l | eviously operated by Texaco Exploration and Production Inc. The subject wells are locate Huntington, Emery County, Utah. These Wells will be protected by the following surety by | ed North of Orangeville and North |
| | | |
| ST | ATE OF UTAH Bond #: 103521627-0016 in the amount of \$80,000. (This bond will repl | ace United Pacific Insurance |
| CU | mpany bond number U89-75-80-0059. We respectfully request this bond be released ar | nd returned.) |
| BL | M Nationwide Bond#: U89-75-81-0034 in the amount of \$300,000. | |
| | | |
| Ne | y Contacts: | RECEIVED |
| Ro | n Wirth - Operations Supervisor - 435 748-5395 x1 | FOLIVED |
| | Texaco Exploration & Production Inc. | MAY 0 6 2002 |
| | Affinite and the second of the | |
| | J. Purdy, Attorney-In-Fact | DIVISION OF |
| | ,, | L, GAS AND MINING |
| | | |
| NAME | (PLEASE PRIM) Allen S. Robinson Attorney-In- | Fact |
| 4716 | TITLE ACCORDED IN | |
| SIGNA | ATURE CHURCH CORE DATE April 30, 20 | 02 |
| | | |

(This space for State use only)

| Account Number | Section | Township | Range | API Number | Well Name | Lease Type | Well Status Main | Well Type Main |
|-------------------|---------|----------|-------|------------|------------------------------------|---------------|---------------------|-------------------|
| N5700 | 11 | 400S | 230E | 4303716034 | MESA 1 (ANETH C411) | 1 | 1 | WI |
| N5700 | 12 | 400S | 230E | 4303716272 | BURTON 23-12 (ANETH B312) | 1 | Α | WI |
| N5700 | 12 | 400S | 230E | 4303716274 | BURTON 31-12 (ANETH C-112) | 1 | 1 | WI |
| N5700 | 12 | 400S | 230E | 4303716278 | BURTON 42-12 (ANETH D212) | 1 | Α | WI |
| N5700 | 12 | 400S | 230E | 4303730049 | ANETH UNIT D-412 | 1 | Α | WI |
| N5700 | 12 | 400S | 230E | 4303730112 | ANETH UNIT C-312 | 1 | Α | WI |
| N5700 | 13 | 400S | 230E | 4303715825 | BURTON 22-13 (ANETH B-213) | 1 | Α | WI |
| N5700 | 13 | 400S | 230E | 4303715827 | BURTON 31-13 (ANETH C-113) | 1 | Α | WI |
| N5700 | 13 | 400S | 230E | 4303715828 | BURTON 33-13 (ANETH C-313) | 1 | Α | WI |
| N5700 | 13 | 400S | 230E | 4303715830 | BURTON 42-13 (D213) | 1 | Α | WI |
| N5700 | 13 | 400S | 230E | 4303716279 | BURTON 44-13 (ANETH D-413) | 1 | Α | WI |
| N5700 | 13 | 400S | 230E | 4303730119 | ANETH UNIT A-113 | 1 | Α | WI |
| N5700 | 13 | 400S | 230E | 4303730174 | ANETH UNIT D113 | 1 | Α | WI |
| N5700 | 13 | 400S | 230E | 4303730297 | ANETH B-413 | 1 | Α | WI |
| N5700 | 13 | 400S | 230E | 4303730299 | ANETH UNIT A-313 | 1 | Α | WI |
| N5700 | 14 | 400S | 230E | 4303716032 | ARROWHEAD 6 (ANETH B-114) | 1 | A | WI |
| N5700 | 14 | 400S | 230E | 4303716033 | ARROWHEAD 3 (ANETH C-214) | 1 | Α | WI |
| N5700 | 14 | 400S | 230E | 4303716035 | ARROWHEAD 5 (ANETH C-414) | 1 | Α | WI |
| N5700 | 14 | 400S | 230E | 4303716038 | ARROWHEAD 4 (ANETH D-314) | 1 | Α | WI |
| N5700 | 14 | 400S | 230E | 4303716273 | ARROWHEAD 2 (ANETH B-314) | 1 | | WI |
| N5700 | 14 | 400S | 230E | 4303716277 | ARROWHEAD 1 (ANETH D-114) | 1 | Α | WI |
| N5700 | 23 | 400S | 230E | 4303716271 | A W RICE 2 (ANETH B-123) | 1 | Α | WI |
| N5700 | 23 | 400S | 230E | 4303716276 | A W RICE 3 (ANETH C-223) | 1 | | WI |
| N5700 | 24 | 400S | 230E | 4303716270 | FEDERAL A-1 (ANETH A-124) | 1 | Α | WI |
| N5700 | 24 | 400S | 230E | 4303716275 | FEDERAL 1 (ANETH C-124) | 1 | | WI |
| N5700 | 07 | 400S | 240E | 4303715412 | W ISMY FED 3 (ANETH E307) | 1 | | WI |
| N5700 | 07 | 400S | 240E | 4303715415 | W ISMAY FED 2 (ANETH F-407) | 1 | | WI |
| N5700 | 07 | 400S | 240E | 4303716100 | NAVAJO FED 6-1 (ANETH G-307) | 1 | | WI |
| N5700 | 07 | 400S | 240E | 4303716118 | NAVAJO FED 7-1 (ANETH H-207) | 1 | | WI |
| N5700 | 07 | 400S | 240E | 4303716283 | GULF-AZTEC FED 7 (ANETH E-207) | | | WI |
| N5700 | 07 | 400S | 240E | 4303716322 | NAVAJO TRIBE FED 5-1 (ANETH H-407) | 2 | | WI |

| Account | | | | | | Lease | Well Status | Well Type |
|---------|----|----------|-------|------------|---------------------------------|-------|-------------|-----------|
| Number | | Township | Range | API Number | Well Name | Type | Main | Main |
| N5700 | 07 | 400S | 240E | 4303730175 | ANETH U E407 | 1 | A | WI |
| N5700 | 08 | 400S | 240E | 4303716060 | NAVAJO TRIBE E-15 (ANETH E-308) | 2 | Α | WI |
| N5700 | 08 | 400S | 240E | 4303716076 | NAVAJO FED 8-1 (ANETH F-208) | 2 | A | WI |
| N5700 | 08 | 400S | 240E | 4303716101 | NAVAJO TRIBE L-6 (ANETH G-308) | 2 | Α | WI |
| N5700 | 08 | 400S | 240E | 4303716119 | NAVAJO TRIBE E-16 (ANETH H-208) | 2 | Α | WI |
| N5700 | 08 | 400S | 240E | 4303716284 | NAVAJO FED 9-1 (ANETH E-208) | 2 | Α | WI |
| N5700 | 08 | 400S | 240E | 4303716298 | NAVAJO TRIBE E-13 (ANETH F-408) | 2 | Α | WI |
| N5700 | 08 | 400S | 240E | 4303716323 | NAVAJO TRIBE L-3 (ANETH H-408) | 2 | Α | WI |
| N5700 | 09 | 400S | 240E | 4303716061 | NAVAJO TRIBE E-14 (ANETH E-309) | 2 | Α | WI |
| N5700 | 09 | 400S | 240E | 4303716082 | NAVAJO TRIBE E-4 (ANETH F-409) | 2 | Α | WI |
| N5700 | 10 | 400S | 240E | 4303716125 | NAVAJO TRIBE E-7 (ANETH H-410) | 2 | I | WI |
| N5700 | 11 | 400S | 240E | 4303715940 | ANETH UNIT E-411 | 2 | Α | WI |
| N5700_ | 11 | 400S | 240E | 4303715944 | NAVAJO A-10/34-11 (ANETH G-411) | 2 | Α | WI |
| N5700 | 11 | 400S | 240E | 4303716295 | NAVAJO A-12/23-11 (ANETH F-311) | 2 | Α | WI |
| N5700 | 13 | 400S | 240E | 4303715938 | NAV TRIBE A-13 (ANETH E-213) | 2 | Α | WI |
| N5700 | 13 | 400S | 240E | 4303715941 | NAVAJO A-4 (ANETH E-413) | 2 | Α | WI |
| N5700 | 14 | 400S | 240E | 4303715939 | NAVAJO A-6 (ANETH E-214) | 2 | Α | WI |
| N5700 | 14 | 400S | 240E | 4303715942 | ANETH F-314 | 2 | Α | WI |
| N5700 | 14 | 400S | 240E | 4303715943 | NAVAJO A-7/32-14 (ANETH G-214) | 2 | Α | WI |
| N5700 | 14 | 400S | 240E | 4303715945 | NAVAJO A-1/34-14 (ANETH G-414) | 2 | Α | WI |
| N5700 | 14 | 400S | 240E | 4303716310 | NAVAJO A-9/41-14 (ANETH H-114) | 2 | Α | WI |
| N5700 | 14 | 400S | 240E | 4303716421 | ANETH UNIT E414 | 2 | Α | WI |
| N5700 | 14 | 400S | 240E | 4303716422 | ANETH UNIT F-114 | 2 | Α | WI |
| N5700 | 14 | 400S | 240E | 4303731381 | ANETH UNIT H314X | 2 | 1 | WI |
| N5700 | 15 | 400S | 240E | 4303716116 | ANETH G-415 | 2 | Α | WI |
| N5700 | 15 | 400S | 240E | 4303716296 | NAVAJO TRIBAL E-8 (ANETH F-315) | 2 | Α | WI |
| N5700 | 15 | 400S | 240E | 4303730213 | ANETH E-315 | 2 | Α | WI |
| N5700 | 15 | 400S | 240E | 4303730312 | ANETH H-315 | 2 | Α | WI |
| N5700 | 16 | 400S | 240E | 4303715832 | STATE THREE 11-16 (ANETH E-116) | 3 | Α | WI |
| N5700 | 16 | 400S | 240E | 4303716285 | ST THREE 21-16 (ANETH F-116) | 3 | Α | WI |
| N5700 | 16 | 400S | 240E | 4303716297 | ST THREE 23-16 (ANETH F-316) | 3 | Α | WI |

| Account | Continu | Taumahin | Danna | ADI Nombre | NATA WANTER | | Well Status | • • |
|-----------------|---------|----------|-------|------------|-----------------------------------|------|-------------|------|
| Number N5700 | 16 | Township | Range | API Number | Well Name | Type | Main | Main |
| N5700 | 16 | 400S | 240E | 4303716312 | STATE THREE 42-16 (ANETH H-216) | 3 | Α | WI |
| | 16 | 400S | 240E | 4303720230 | ANETH H-416 | 3 | Α | WI |
| N5700 N5700 | 16 | 400S | 240E | 4303730094 | ANETH E-316 | 3 | Α | WI |
| | | 400S | 240E | 4303730107 | ANETH G-316 | 3 | Α | WI |
| N5700 | 16 | 400S | 240E | 4303730333 | ANETH F-416 | 3 | Α | WI |
| N5700 | 16 | 400S | 240E | 4303730344 | ANETH G-116 | 3 | Α | WI |
| N5700 | 17 | 400S | 240E | 4303716049 | ANETH UNIT E-117 | 2 | Α | WI |
| N5700 | 17 | 400S | 240E | 4303716062 | NAVAJO TRIBAL G-7 (ANETH E317) | 2 | Α | WI |
| N5700 | 17 | 400S | 240E | 4303716089 | NAVAJO TRIBAL G-3 (ANETH G-117) | 2 | Α | WI |
| N5700 | 17 | 400S | 240E | 4303716103 | NAVAJO TRIBAL 1-X-G (ANETH G-317) | 2 | Α | WI |
| N5700 | 17 | 400S | 240E | 4303716286 | NAVAJO TRIBAL G-8 (ANETH F-217) | 2 | Α | WI |
| N5700 | 17 | 400S | 240E | 4303716299 | NAVAJO TRIBAL G-6 (ANETH F-417) | 2 | Α | WI |
| N5700 | 17 | 400S | 240E | 4303716313 | NAV TRIBAL L-4 (ANETH H-217) | 2 | Α | WI |
| N5700 | 17 | 400S | 240E | 4303716326 | NAVAJO TRIBAL L-1 (ANETH H-417) | 2 | Α | WI |
| N5700 | 18 | 400S | 240E | 4303715083 | NAVAJO TRIBAL FED U 3 | 2 | Α | WI |
| N5700 | 18 | 400S | 240E | 4303715413 | ANETH U E-118 (W ISMY FED 1) | 1 | Α | WI |
| N5700 | 18 | 400S | 240E | 4303716063 | NAVAJO TRIBAL 4 (ANETH E-318) | 1 | Α | WI |
| N5700 | 18 | 400S | 240E | 4303716090 | NAVAJO TRIBE 2 (ANETH G-118) | 2 | Α | WI |
| N5700 | 18 | 400S | 240E | 4303716104 | NAVAJO TRIBE G-4 (ANETH G-318) | 2 | Α | WI |
| N5700 | 18 | 400S | 240E | 4303716120 | NAVAJO TRIBAL G-5 (ANETH H-218) | 2 | Α | WI |
| N5700 | 18 | 400S | 240E | 4303716287 | NAVAJO FED U 1 (ANETH F-218) | 2 | Α | WI |
| N5700 | 18 | 400S | 240E | 4303716327 | NAVAJO TRIBAL G-2 (ANETH H-418) | 2 | A | WI |
| N5700 | 18 | 400S | 240E | 4303730137 | ANETH U E218 | 1 | Α | WI |
| N5700 | 18 | 400S | 240E | 4303730155 | ANETH U F118 | 1 | Α | WI |
| N5700 | 19 | 400S | 240E | 4303716077 | NAVAJO TRIBE D-26 (ANETH F-219) | 2 | Α | WI |
| N5700 | 19 | 400S | 240E | 4303716091 | NAVAJO TRIBE D-16 (ANETH G-119) | 2 | Α | WI |
| N5700 | 19 | 400S | 240E | 4303716121 | NAVAJO TRIBE D-3 (ANETH H-219) | | A | WI |
| N5700 | 19 | 400S | 240E | 4303716280 | NAVAJO FED U B-1 (ANETH E-119) | | A | WI |
| N5700 | 19 | 400S | 240E | 4303716309 | NAVAJO TRIBE D-25 (ANETH G-319) | 2 | | WI |
| N5700 | 19 | 400S | 240E | 4303716328 | NAVAJO TRIBE D-27 (ANETH H-419) | 2 | | WI |
| N5700 | 20 | 400S | 240E | 4303716050 | NAVAJO TRIBE D-10 (ANETH E-120) | 2 | | WI |

| Account | | | | | | Lease | Well Status | Well Type |
|---------|---------|----------|-------|------------|---------------------------------|-------|-------------|-----------|
| | Section | Township | Range | API Number | Well Name | Type | Main | Main |
| N5700 | 20 | 400S | 240E | 4303716065 | NAVAJO TRIBE D-17 (ANETH E-320) | 2 | Α | WI |
| N5700 | 20 | 400S | 240E | 4303716092 | NAVAJO TRIBE L-5 (ANETH G-120) | 2 | Α | WI |
| N5700 | 20 | 400S | 240E | 4303716105 | NAVAJO TRIBE D-12 (ANETH G-320) | 2 | Α | WI |
| N5700 | 20 | 400S | 240E | 4303716288 | NAVAJO TRIBE D-8 (ANETH F-220) | 2 | Α | WI |
| N5700 | 20 | 400S | 240E | 4303716300 | NAVAJO TRIBE D-20 (ANETH F-420) | 2 | Α | WI |
| N5700 | 20 | 400S | 240E | 4303716314 | NAVAJO TRIBE L-2 (ANETH H-220) | 2 | Α | WI |
| N5700 | 20 | 400S | 240E | 4303716329 | NAVAJO TRIBE D-13 (ANETH H-420) | 2 | Α | WI |
| N5700 | 21 | 400S | 240E | 4303716051 | NAVAJO TRIBE D-4 (ANETH E-121) | 2 | Α | WI |
| N5700 | 21 | 400S | 240E | 4303716066 | NAVAJO TRIBE D-14 (ANETH E-321) | 2 | Α | WI |
| N5700 | 21 | 400S | 240E | 4303716078 | NAVAJO TRIBE D-6 (ANETH F-221) | 2 | Α | WI |
| N5700 | 21 | 400S | 240E | 4303716084 | NAVAJO TRIBE D-21 (ANETH F-421) | 2 | Α | WI |
| N5700 | 21 | 400S | 240E | 4303716122 | NAVAJO TRIBE D-7 (ANETH H-221) | 2 | Α | WI |
| N5700 | 21 | 400S | 240E | 4303716330 | NAVAJO TRIBE D-24 (ANETH H-421) | 2 | Α | WI |
| N5700 | 21 | 400S | 240E | 4303730095 | ANETH G-321X | 2 | Α | WI |
| N5700 | 21 | 400S | 240E | 4303730335 | ANETH G-121X | 2 | Α | WI |
| N5700 | 22 | 400S | 240E | 4303716067 | NAVAJO TRIBE D-19 (ANETH E-322) | 2 | Α | WI |
| N5700 | 22 | 400S | 240E | 4303716085 | NAVAJO TRIBE D-23 (ANETH F-422) | 2 | Α | WI |
| N5700 | 22 | 400S | 240E | 4303716117 | NAVAJO TRIBE D-2 (ANETH H-122) | 2 | Α | WI |
| N5700 | 22 | 400S | 240E | 4303716127 | NAVAJO TRIBE D-22 (ANETH H-422) | 2 | 1 | WI |
| N5700 | 22 | 400S | 240E | 4303720231 | ANETH G-322X | 2 | Α | WI |
| N5700 | 22 | 400S | 240E | 4303730215 | ANETH E-122 | 2 | Α | WI |
| N5700 | 22 | 400S | 240E | 4303730242 | ANETH H-222 | 2 | Α | WI |
| N5700 | 22 | 400S | 240E | 4303730373 | ANETH F-222 | 2 | Α | WI |
| N5700 | 22 | 400S | 240E | 4303730425 | ANETH G-122 | 2 | Α | WI |
| N5700 | 23 | 400S | 240E | 4303716068 | NAVAJO TRIBE C-12 (ANETH E-323) | 2 | Α | WI |
| N5700 | 23 | 400S | 240E | 4303716079 | NAVAJO TRIBE C-7 (ANETH F-223) | 2 | Α | WI |
| N5700 | 23 | 400S | 240E | 4303716086 | NAVAJO TRIBE C-17 (ANETH F-423) | 2 | Α | WI |
| N5700 | 23 | 400S | 240E | 4303716123 | NAVAJO TRIBE C-8 (ANETH H-223) | 2 | Α | WI |
| N5700 | 23 | 400S | 240E | 4303716128 | NAVAJO TRIBE C-3 (ANETH H-423) | 2 | | WI |
| N5700 | 23 | 400S | 240E | 4303716306 | NAVAJO TRIBE C-1 (ANETH G-123) | | | WI |
| N5700 | 23 | 400S | 240E | 4303730235 | ANETH F-123 | 2 | | WI |

| Account Number | | Township | Range | API Number | Well Name | Lease Type | Well Status Main | Well Type Main |
|----------------|----|----------|-------|------------|---------------------------------|---------------|---------------------|-------------------|
| N5700 | 24 | 400S | 240E | 4303716069 | NAVAJO TRIBE C-10 (ANETH E-324) | 2 | Α | WI |
| N5700 | 24 | 400S | 240E | 4303716087 | NAVAJO TRIBE C-13 (ANETH F-424) | 2 | A | WI |
| N5700 | 24 | 400S | 240E | 4303716111 | NAVAJO TRIBE C-15 (ANETH G-324) | 2 | A | WI |
| N5700 | 24 | 400S | 240E | 4303716289 | NAVAJO TRIBE C-16 (ANETH F-224) | 2 | Α | WI |
| N5700 | 24 | 400S | 240E | 4303716331 | NAVAJO TRIBE C-28 (ANETH H-424) | 2 | Α | WI |
| N5700 | 25 | 400S | 240E | 4303716070 | NAVAJO TRIBE C-21 (ANETH E-325) | 2 | Α | WI |
| N5700 | 25 | 400S | 240E | 4303716080 | NAVAJO TRIBE C-20 (F225) | 2 | Α | WI |
| N5700 | 25 | 400S | 240E | 4303716095 | ANETH UNIT G125 | 2 | Α | Wi |
| N5700 | 25 | 400S | 240E | 4303716124 | NAVAJO TRIBE C-11 (ANETH H-225) | 2 | Α | WI |
| N5700 | 25 | 400S | 240E | 4303716129 | NAVAJO TRIBE C-24 (ANETH H-425) | 2 | Α | WI |
| N5700 | 25 | 400S | 240E | 4303716301 | NAVAJO TRIBE C-32 (ANETH F-425) | 2 | Α | WI |
| N5700 | 26 | 400S | 240E | 4303716054 | NAVAJO TRIBE C-29 (ANETH E-126) | 2 | Α | WI |
| N5700 | 26 | 400S | 240E | 4303716071 | NAVAJO TRIBE C-30 (ANETH E-326) | 2 | Α | WI |
| N5700 | 26 | 400S | 240E | 4303716113 | NAVAJO TRIBE C-27 (ANETH G-326) | 2 | Α | WI |
| N5700 | 26 | 400S | 240E | 4303716290 | NAVAJO TRIBE C-23 (ANETH F-226) | 2 | Α | WI |
| N5700 | 26 | 400S | 240E | 4303716302 | NAVAJO TRIBE C-4 (ANETH F-426) | 2 | A | WI |
| N5700 | 26 | 400S | 240E | 4303716316 | NAVAJO TRIBE C-19 (ANETH H-226) | 2 | A | WI |
| N5700 | 26 | 400S | 240E | 4303716332 | NAVAJO TRIBE C-31 (ANETH H-426) | 2 | Α | WI |
| N5700 | 26 | 400S | 240E | 4303730372 | ANETH G-126X | 2 | Α | WI |
| N5700 | 27 | 400S | 240E | 4303716223 | ANETH 27-B2 (ANETH F-227) | 2 | ı | WI |
| N5700 | 27 | 400S | 240E | 4303716307 | ANETH 27-C-1 (ANETH G-127) | 2 | A | WI |
| N5700 | 27 | 400S | 240E | 4303716317 | ANETH 27-D2 (ANETH H-227) | 2 | | WI |
| N5700 | 27 | 400S | 240E | 4303716333 | ANETH 27-D-4 (ANETH H-427) | 2 | | WI |
| N5700 | 27 | 400S | 240E | 4303716782 | ANETH 27-A-1 (ANETH E-127) | 2 | | WI |
| N5700 | 28 | 400S | 240E | 4303716222 | ANETH 28-A-1 (ANETH E-128) | 2 2 | | WI |
| N5700 | 28 | 400S | 240E | 4303716224 | ANETH 28-C-1 (ANETH G-128) | 2 | | WI |
| N5700 | 28 | 400S | 240E | 4303716228 | ANETH H-228 | 2 | A | WI |
| N5700 | 29 | 400S | 240E | 4303716055 | NAVAJO TRIBE S-2 (ANETH E-129) | 2 | | WI |
| N5700 | 29 | 400S | 240E | 4303716097 | NAVAJO TRIBE S-1 (ANETH G-129) | 2 | | WI |
| N5700 | 29 | 400S | 240E | 4303716292 | NAVAJO TRIBE S-4 (ANETH F-229) | 2 | *** *** *** | WI |
| N5700 | 29 | 400S | 240E | 4303716318 | NAVAJO TRIBE S-3 (ANETH H-229) | | | WI |

| Account | | | | | | Lease | Well Status | Well Type |
|---------|---------|----------|-------|------------|------------------------------------|-------|-------------|-----------|
| Number | Section | Township | Range | API Number | Well Name | Type | Main | Main |
| N5700 | 34 | 400S | 240E | 4303716303 | ANETH 34-B-4 (ANETH F-434) | 2 | A | WI |
| N5700 | 34 | 400S | 240E | 4303716319 | ANETH 34-D2 (ANETH H-234) | 2 | I | WI |
| N5700 | 35 | 400S | 240E | 4303716293 | NAVAJO TRIBE Q-5 (ANETH F-235) | 2 | Α | WI |
| N5700 | 35 | 400S | 240E | 4303716304 | NAVAJO TRIBE Q-8 (ANETH F-435) | 2 | Α | WI |
| N5700 | 35 | 400S | 240E | 4303716320 | NAVAJO TRIBE Q-4 (ANETH H-235) | 2 | Α | WI |
| N5700 | 36 | 400S | 240E | 4303715485 | NAVAJO 4 (ANETH E-136) | 2 | Α | WI |
| N5700 | 36 | 400S | 240E | 4303715486 | NAV TRB 2-A (G136) | 2 | Α | WI |
| N5700 | 36 | 400S | 240E | 4303715487 | NAVAJO 1 (ANETH H-236) | 2 | Α | WI |
| N5700 | 36 | 400S | 240E | 4303716294 | NAVAJO 3 (ANETH F-236) | 2 | Α | WI |
| N5700 | 19 | 400S | 250E | 4303716140 | ANETH UNIT L-419 | 2 | Α | WI |
| N5700 | 29 | 400S | 250E | 4303716131 | NAVAJO TRIBE F-8 (ANETH J-129) | 2 | Α | WI |
| N5700 | 30 | 400S | 250E | 4303716132 | NAVAJO TRIBE F-9 (ANETH J-130) | 2 | Α | WI |
| N5700 | 30 | 400S | 250E | 4303716134 | NAVAJO TRIBE F-5 (ANETH J-330) | 2 | Α | WI |
| N5700 | 30 | 400S | 250E | 4303716135 | NAVAJO TRIBE F-2 (ANETH K-230) | 2 | Α | WI |
| N5700 | 30 | 400S | 250E | 4303716137 | NAVAJO TRIBE F-7 (ANETH K-430) | 2 | Α | WI |
| N5700 | 30 | 400S | 250E | 4303716139 | NAVAJO TRIBE F-6 (ANETH L-330) | 2 | Α | WI |
| N5700 | 30 | 400S | 250E | 4303716141 | NAVAJO TRIBE F-10 (ANETH M-230) | 2 | Α | WI |
| N5700 | 30 | 400S | 250E | 4303716337 | NAVAJO TRIBE F-11 (ANETH M-430) | 2 | Α | WI |
| N5700 | 31 | 400S | 250E | 4303715946 | NAVAJO TRIBE C11-31 (J131) | 2 | A | WI |
| N5700 | 31 | 400S | 250E | 4303716335 | NAVAJO TRIBE C-22-31 (ANETH K-231) | 2 | Α | WI |



MINERALS DEPARTMENT
Post Office Box 1910
Window Rock, Arizona 86515
Phone: (928) 871-6587 • Fax: (928) 871-7095

KELSEY A. BEGAYE PRESIDENT TAYLOR McKENZIE, M.D. VICE PRESIDENT

October 11, 2002

Mr. Don Sellars Regulatory Specialist ChevronTexaco 11111 S. Wilcrest Houston, Texas 77099

Subject: Navajo Nation Assignment of Oil & Gas Lease

Dear Mr. Sellars:

Attached are fourteen (14) approved Navajo Nation Assignment of Oil and Gas Lease applications for assignment of interest from Texaco Exploration & Production, Inc. to Chevron U.S.A., Inc. (Chevron) for the following leases:

| 1) | I-149-IND-8834 | 6) | I-149-IND-8839 | 11) | 14-20-603-4035 |
|----|------------------|-----|-------------------------|-----|------------------|
| 2) | I-149-IND-8835 | 7) | 14-20-603-2057 | 12) | 14-20-603-4037 |
| 3) | I-149-IND-8836 | 8) | 14-20-603 -2 059 | 13) | 14-20-603-5043-A |
| 4) | I-149-IND-8838 | 9) | 14-20-603-4030-A | 14) | 14-20-603-5446 |
| 5) | I-149-IND-8839-A | 10) | 14-20-603-4032 | · | |

If you have any questions, please call me or Mr. Brad Nesemeier at (928) 871-6587.

Sincerely,

Akhtar Zaman, Director Minerals Department

Attachments AZ/GLB/cab

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH 2. CDW 3. FILE

Change of Operator (Well Sold)

5. If **NO**, the operator was contacted contacted on:

Designation of Agent

Operator Name Change

X Merger

| The operator of the well(s) listed below has cha | nged, effective: | 05-01-2002 | | | | |
|--|---------------------|----------------|------------|-------------|-----------|---------------------------------------|
| FROM: (Old Operator): | | TO: (New O | perator): | | | |
| TEXACO EXPLORATION & PRODUCTION INC | | CHEVRON US | | | | |
| Address: 3300 NORTH BUTLER, STE 100 | | Address: P O E | | | | |
| | | | | | | · · · · · · · · · · · · · · · · · · · |
| FARMINGTON, NM 87401 | | HOUSTON,TX | Հ 79702 | | | |
| Phone: 1-(505)-325-4397 | | Phone: 1-(915) | | | | |
| Account No. N5700 | | Account No. | | | | |
| C.A. | A No. | Unit: | ANETH | | | |
| WELL(S) | | | | | | |
| | SEC TWN | API NO | ENTITY | LEASE | WELL | WELL |
| NAME | RNG | | NO | TYPE | TYPE | STATUS |
| NAVAJO TRIBE D-21 (ANETH F-421) | 21-40S-24E | 43-037-16084 | | INDIAN | WIW | A |
| NAVAJO TRIBE D-7 (ANETH H-221) | | 43-037-16122 | | INDIAN | WIW | A |
| NAVAJO TRIBE D-24 (ANETH H-421) | | 43-037-16330 | | INDIAN | WIW | A |
| ANETH G-321X | 21-40S-24E | 43-037-30095 | 99990 | INDIAN | WIW | A |
| ANETH G-121X | 21-40S-24E | 43-037-30335 | 99990 | INDIAN | WIW | A |
| NAVAJO TRIBE D-19 (ANETH E-322) | 22-40S-24E | 43-037-16067 | 99990 | INDIAN | WIW | A |
| NAVAJO TRIBE D-23 (ANETH F-422) | 22-40S-24E | 43-037-16085 | 99990 | INDIAN | WIW | A |
| NAVAJO TRIBE D-2 (ANETH H-122) | 22-40S-24E | 43-037-16117 | 99990 | INDIAN | WIW | A |
| NAVAJO TRIBE D-22 (ANETH H-422) | 22-40S-24E | 43-037-16127 | 7000 | INDIAN | WIW | I |
| ANETH G-322X | 22-40S-24E | 43-037-20231 | 99990 | INDIAN | WIW | A |
| ANETH E-122 | 22-40S-24E | 43-037-30215 | 99990 | INDIAN | WIW | A |
| ANETH H-222 | 22-40S-24E | 43-037-30242 | 99990 | INDIAN | WIW | A |
| ANETH F-222 | 22-40S-24E | 43-037-30373 | 99990 | INDIAN | WIW | Α |
| ANETH G-122 | 22-40S-24E | 43-037-30425 | 99990 | INDIAN | WIW | A |
| NAVAJO TRIBE C-3 (ANETH H-423) | 23-40S-24E | 43-037-16128 | 7000 | INDIAN | WIW | Α |
| NAVAJO TRIBE C-12 (ANETH E-323) | 23-40S-24E | 43-037-16068 | 99990 | INDIAN | WIW | A |
| NAVAJO TRIBE C-7 (ANETH F-223) | 23-40S-24E | 43-037-16079 | 99990 | INDIAN | WIW | A |
| NAVAJO TRIBE C-17 (ANETH F-423) | 23-40S-24E | 43-037-16086 | 99990 | INDIAN | WIW | A |
| NAVAJO TRIBE C-8 (ANETH H-223) | 23-40S-24E | 43-037-16123 | 99990 | INDIAN | WIW | Α |
| NAVAJO TRIBE C-1 (ANETH G-123) | 23-40S-24E | 43-037-16306 | 99990 | INDIAN | WIW | A |
| NAVAJO TRIBE C-6 (ANETH H-223) NAVAJO TRIBE C-1 (ANETH G-123) OPERATOR CHANGES DOCUMENTATI Enter date after each listed item is completed 1. (R649-2-10) Sundry or legal documentation was rec | 23-40S-24E | 43-037-16306 | 99990 | INDIAN | WIW | |
| | | • | | 05/06/2002 | <u>2</u> | |
| 2. (R649-2-10) Sundry or legal documentation was rec | terved from the NEV | v operator on: | 04/12/200 | _ | | |
| 3. The new company has been checked through the De | epartment of Comm | erce, Division | of Corpora | tions Datal | oase on: | 10/16/2 |
| 4. Is the new operator registered in the State of Utah: | YES | Business Numb | oer: | 564408-014 | <u>13</u> | |

N/A

| 6. (R649-9-2)Waste Management Plan has been received on: | IN PLACE | | | |
|--|---------------------------------------|------------------------|-----------------------------------|-------------------|
| 7. Federal and Indian Lease Wells: The BLM and or operator change for all wells listed on Federal or Indian | | proved the mer | ger, name change | >> |
| 8. Federal and Indian Units: The BLM or BIA has approved the successor of unit op | erator for wells listed | l on: <u>10/11/2</u> 0 | 002 | |
| Federal and Indian Communization Agreem The BLM or BIA has approved the operator for all well | ` , | on: N/A | | |
| 10. Underground Injection Control ("UIC") for the enhanced/secondary recovery unit/project for the | | | 15, Transfer of Aut 10/21/2002 | hority to Inject, |
| DATA ENTRY: | | | | |
| 1. Changes entered in the Oil and Gas Database on: | 10/24/2002 | | • | |
| 2. Changes have been entered on the Monthly Operator Cl | hange Spread Sheet | on: <u>10/24/2</u> | 002 | |
| 3. Bond information entered in RBDMS on: | N/A | | | |
| 4. Fee wells attached to bond in RBDMS on: | N/A | | | |
| STATE WELL(S) BOND VERIFICATION: 1. State well(s) covered by Bond Number: | N/A | | | |
| FEDERAL WELL(S) BOND VERIFICATION: 1. Federal well(s) covered by Bond Number: | N/A | | | |
| INDIAN WELL(S) BOND VERIFICATION: 1. Indian well(s) covered by Bond Number: | 8975810026 | | | |
| FEE WELL(S) BOND VERIFICATION: 1. (R649-3-1) The NEW operator of any fee well(s) listed contains the second secon | overed by Bond Nun | uber N/A | | |
| 2. The FORMER operator has requested a release of liability The Division sent response by letter on: | y from their bond on: N/A | N/A | | |
| LEASE INTEREST OWNER NOTIFICATION 3. (R649-2-10) The FORMER operator of the fee wells has a of their responsibility to notify all interest owners of this continuous control of their responsibility to notify all interest owners of the control of their responsibility to notify all interest owners of this control of the co | been contacted and in | nformed by a letter | from the Division | |
| COMMENTS: Chevron USA Inc merged with Texaco although all the Utah operations will be operated by | Exploration & Pro Chevron USA Inc. | duction Inc to f | orm ChevronTexa | ico Inc |
| | | | | |
| | | | | |

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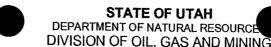
| | - OL, OAS AND N | MINING | 5. LEASE DESIGNATION AND SERIAL NUMBER: See Attachment |
|--|---|--|--|
| SUNDR | Y NOTICES AND REPORT | rs on wells | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Navajo |
| | new wells, significantly deepen existing wells below o laterals. Use APPLICATION FOR PERMIT TO DRILL | current bottom-hole depth, reenter plugged wells, or to L form for such proposals. | 7. UNIT OF CA AGREEMENT NAME: Aneth Unit |
| 1. TYPE OF WELL OIL WELL | | Injection wells | 8. WELL NAME and NUMBER: |
| 2. NAME OF OPERATOR: | | | See Attachment |
| Resolute Natural Resource | ces Company N270 | <u>0</u> | 9. API NUMBER: See Attach |
| 3. ADDRESS OF OPERATOR: 1675 Broadway, Suite 1950 CIT | | PHONE NUMBER: | 10. FIELD AND POOL, OR WILDCAT: |
| 4. LOCATION OF WELL | Denver STATE CO Z | 9P 80202 (303) 534-4600 | Desert Creek |
| FOOTAGES AT SURFACE: See A | | et de filosofie en la companya de l La companya de la co | COUNTY: San Juan STATE: UTAH |
| 11. CHECK APP | ROPRIATE BOXES TO INDICA | TE NATURE OF NOTICE, REPO | |
| TYPE OF SUBMISSION | | TYPE OF ACTION | KI, UK UTHER DATA |
| NOTICE OF INTENT | ACIDIZE | DEEPEN DEEPEN | PEDEDEODATE OUDDEAG SOOM |
| (Submit in Duplicate) | ALTER CASING | FRACTURE TREAT | REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL |
| Approximate date work will start: | CASING REPAIR | NEW CONSTRUCTION | TEMPORARILY ABANDON |
| | CHANGE TO PREVIOUS PLANS | OPERATOR CHANGE | TUBING REPAIR |
| [7] | CHANGE TUBING | PLUG AND ABANDON | VENT OR FLARE |
| SUBSEQUENT REPORT (Submit Original Form Only) | CHANGE WELL NAME | PLUG BACK | WATER DISPOSAL |
| Date of work completion: | CHANGE WELL STATUS | PRODUCTION (START/RESUME) | WATER SHUT-OFF |
| | COMMINGLE PRODUCING FORMATIONS | RECLAMATION OF WELL SITE | OTHER: Change of Operator |
| | CONVERT WELL TYPE | RECOMPLETE - DIFFERENT FORMATION | <u> </u> |
| 12. DESCRIBE PROPOSED OR CO | OMPLETED OPERATIONS. Clearly show all | pertinent details including dates, depths, volume | es etc |
| As of December 1, 2004, | Chevron U.S.A. Inc. resigned as | Operator of the Aneth Unit. The | PUCCASOR aparatar in Daniel |
| Natural Resources Comp | any. | , and a state of the state of t | successor operator is Resolute |
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| | | | |
| NAME (PLEASE PRINT) | et Pasque | TITLE Vice fre | side.A |
| SIGNATURE CALL | orant. | 4/2/2 | |
| | 7 | DATE | |
| (This space for State use only) | | | |

APPROVED 12/29/2004

Division of Oil, Gas and Mining Earlene Russell, Engineering Technician

| TE OF UTAH |
|---------------------------------|
| DEPARTMENT OF NATURAL RESOURCES |
| DIVISION OF OIL, GAS AND MINING |

| - | STATE OF OIL, GAS AND WIII | MING | See attached exhibit. |
|---|---|--|--|
| SUNDRY | NOTICES AND REPORTS | S ON WELLS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| | | | Navajo |
| Do not use this form for proposals to drill ne drill horizontal lat 1. TYPE OF WELL | ew wells, significantly deepen existing wells below curr terals. Use APPLICATION FOR PERMIT TO DRILL for | rent bottom-hole depth, reenter plugged wells, or to orm for such proposals. | 7. UNIT OF CA AGREEMENT NAME: Aneth Unit |
| OIL WELL | GAS WELL OTHER S | See attached exhibit. | 8. WELL NAME and NUMBER: See attached exhibit. |
| 2. NAME OF OPERATOR: | | | 9. API NUMBER: |
| Resolute Natural Resource 3. ADDRESS OF OPERATOR: | es Company | PHONE NUMBER: | See attached exhibit. |
| 1675 Broadway, Suite 1950 CITY | Denver STATE CO ZIP | | 10. FIELD AND POOL, OR WILDCAT: Aneth |
| 4. LOCATION OF WELL | 800PM30300000000000000000000000000000000 | | |
| FOOTAGES AT SURFACE: | | | соинту: San Juan |
| QTR/QTR, SECTION, TOWNSHIP, RANG | GE, MERIDIAN: | | STATE: UTAH |
| 11. CHECK APPR | ROPRIATE BOXES TO INDICAT | E NATURE OF NOTICE BERO | · |
| TYPE OF SUBMISSION | I BOXES TO INDICAT | TYPE OF ACTION | RI, OR OTHER DATA |
| NOTION OF WITH | ACIDIZE | DEEPEN DEEPEN | REPERFORATE CURRENT FORMATION |
| NOTICE OF INTENT (Submit in Duplicate) | ALTER CASING | FRACTURE TREAT | SIDETRACK TO REPAIR WELL |
| Approximate date work will start: | CASING REPAIR | NEW CONSTRUCTION | |
| | CHANGE TO PREVIOUS PLANS | OPERATOR CHANGE | TEMPORARILY ABANDON |
| | CHANGE TUBING | PLUG AND ABANDON | TUBING REPAIR |
| SUBSEQUENT REPORT | CHANGE WELL NAME | PLUG BACK | VENT OR FLARE |
| (Submit Original Form Only) | CHANGE WELL STATUS | Francis | WATER DISPOSAL |
| Date of work completion: | COMMINGLE PRODUCING FORMATIONS | PRODUCTION (START/RESUME) | WATER SHUT-OFF |
| | CONVERT WELL TYPE | RECLAMATION OF WELL SITE | ✓ other: Change of operator |
| 12 DESCRIPE PROPOSED OF AN | | RECOMPLETE - DIFFERENT FORMATION | |
| | OMPLETED OPERATIONS. Clearly show all p | | |
| As of December 1, 2004, (| Chevron U.S.A. Inc. resigned as | operator of the Aneth Unit. Resol | ute Natural Resources Company |
| has been elected the succ | essor operator. | | , , |
| | | | RECEIVED |
| | | | DEC 2 2 2004 |
| | | | • |
| | | • | DIV. OF OIL, GAS & MINING |
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| | | | |
| | | | |
| NAME (PLEASE PRINT)_Chevron U | J.S.A. Inc. NO210 |) TITLE A. E. Wacker, Att | omev-in-Fact |
| | Nacker | 42/20/2004 | |
| | | UNITED TO STATE OF THE STATE OF | |
| (This space for State use only) | | APPROV | ED 12 29 2004 |
| | | $\mathcal{L}\mathcal{O}$ | |
| • | | Division of A | II, Gas and Mining |
| | | | il, Gas and Mining Il, Engineering Technician |
| | | Tant Land Tendah | of months carettains |



| STATE OF UTAH |
|---------------------------------|
| DEPARTMENT OF NATURAL RESOURCE |
| DIVISION OF OIL, GAS AND MINING |

| | TRANSFER OF AU | THORITY TO IN | JECT |
|---|---|---|--|
| Well Name and See attache Location of Wel | Number ed exhibit. | | API Number See attached exhibit. |
| Footage: | NSOC 1920 00 00 00 00 00 00 00 00 00 00 00 00 0 | | API Number See attached exhibit. Field or Unit Name Aneth Unit Lease Designation and Number See attached exhibit. E. Wacker A. E. Wacker Macker Div. Of Oil, GAS & MINING Tank Langue Xt Manthematical Columns Mice Less data Mice Le |
| | , Township, Range: | County : San Juar State : UTAH | Lease Designation and Number |
| EFFECTIVE I | DATE OF TRANSFER: 12/1/2004 | | |
| CURRENT OF | PERATOR NO210 |) | |
| Company: | Chevron U.S.A. Inc. | Name: | A. E. Wacker |
| Address: | 1111 Bagby St. | Signature: | 0 |
| | city Houston state TX zip 77002 | _ | Attorney-in-Fact |
| Phone: | (713) 752-6000 | | 12/20/2004 |
| Comments | : | | |
| NEW OPERATO Company: Address: | TOR N27 Resolute Natural Resources Company 1675 Broadway, Suite 1950 | <i>00</i> Name: | |
| Address, | | _ Signature: _ | Jant Jose |
| Phone: | city Denver state CO zip 80202 (303) 534-4600 X | _ Title: | Vice he sidest |
| Comments: | | _ Date: _ | 12 21 69 |
| (This space for Si Transfer ap Comm | | Approval Date into the a corrective of failed 5 year | e: 12-29-04 Anoth CZIH and Anoth B14 action plan for ear test on 10/13/2004 test on Anoth B14. |

| NUM | API NUM | Q1 | Q2 | SEC. | TWSP | DNC | LEGAL | T | Status | DEPARTMENT | | |
|------|------------|------|------|------|--------|----------|---------------------|-------------------------|----------|--------------|--------------|--------------------------------|
| H222 | 4303730242 | SE | NW | 22 | 40S | 24E | LEGAL | Lease I-149-IND-8836 | 12/1/04 | | | |
| F418 | 4303730242 | SE | SW | 18 | T40S | | 650' FSL/1825' FWL | I-149-IND-8835 | Active | H222 F418 | H222 F418 | Navajo Nation |
| E307 | 4303715003 | NW | | 7 | T40S | | 1980' FSL/660' FWL | SL-067807 | Active | E307 | E307 | Navajo Nation |
| E118 | 4303715413 | NW | NW | 18 | T40S | | 660' FNL/660' FWL | SL-067807 | Active | E118 | E118 | Navajo Nation |
| F407 | 4303715415 | SE | sw | 7 | T40S | | 660' FSL/1980' FWL | SL-067807 | Active | F407 | F407 | Navajo Nation |
| E136 | 4303715485 | NW | NW | 36 | T40S | | 660' FNL/660' FWL | 14-20-603-5444 | Active | E136 | E136 | Navajo Nation Navajo Nation |
| G136 | 4303715486 | NW | NE | 36 | T40S | | 785' FNL/2040' FEL | 14-20-603-5443 | Active | G136 | G136 | |
| H236 | 4303715487 | SE | NE | 36 | T40S | R24E | 1980' FNL/660' FEL | 14-20-603-5443 | | G130 | G130 | Navajo Nation Navajo Nation |
| B213 | 4303715825 | SE | NW | 13 | T40S | R23E | | SL-070968-A | Active | | | State of Utah |
| C113 | 4303715827 | NW | NE | 13 | T40S | | 4602' FSL/1993' FEL | SL-070968-A | Active | | | State of Utah |
| C313 | 4303715828 | NW | SE | 13 | T40S | | 1949' FSL/1991' FEL | SL-070968-A | Active | <u> </u> | | State of Utah |
| D213 | 4303715830 | SE | NE | 13 | T40S | | 3263' FSL/660' FEL | SL-070968-A | Active | | | State of Utah |
| E116 | 4303715832 | NW | NW | 16 | T40S | | 601' FNL/550' FWL | ML-3156 | Active | E116 | E116 | Navajo Nation |
| E213 | 4303715938 | SW | NW | 13 | T40S | | 2140' FNL/740' FWL | I-IND-149-8837 | Active | | E213 | Navajo Nation |
| E214 | 4303715939 | SW | | 14 | T40S | | 1940' FNL/650' FWL | I-149-IND-8837 | Active | | E214 | Navajo Nation |
| E411 | 4303715940 | SW | SW | 11 | T40S | | 500' FSL/820' FWL | I-149-IND-8837 | Active | | | Navajo Nation |
| E413 | 4303715941 | SW | SW | 13 | | | 660' FSL/660' FWL | IND-149-8837 | Active | | E413 | Navajo Nation |
| F314 | 4303715942 | NE | SW | 14 | T40S | | 1980' FSL/1980'FWL | I-149-IND-8837 | Active | | F314 | Navajo Nation |
| G214 | 4303715943 | SW | NE | 14 | T40S | | 2140' FNL/2010' FEL | I-149-IND-8839 | P/A | | | Navajo Nation |
| G411 | 4303715944 | SW | SE | 11 | T40S | | 680' FSL/1950' FEL | I-149-IND-8837 | Active | G411 | G411 | Navajo Nation |
| G414 | 4303715945 | SW | SE | 14 | T40S | | 660' FSL/1980' FEL | I-149-IND-8837 | Active | | | Navajo Nation |
| J131 | 4303715946 | NW | NW | 31 | | | 660' FNL/638' FWL | 14-20-603-372 | Active | 1 | | Navajo Nation |
| B114 | 4303716032 | NE | NW | 14 | T40S | R23E | 660' FNL/1980' FWL | SL-070968 | Shut-In | | | State of Utah |
| C214 | 4303716033 | | | 14 | T40S | R23E | 1890' FNL/1930' FEL | SL-070968 | Shut-In | | | State of Utah |
| C411 | 4303716034 | | | 11 | T40S | R23E | 600' FSL/2010' FEL | SL-070968-B | P/A | | | State of Utah |
| C414 | 4303716035 | | | 14 | T40S | R23E | 760' FSL/2000' FEL | SL-070968 | Active | | | State of Utah |
| D314 | 4303716038 | | | 14 | T40S | R23E | 1980' FSL/660' FEL | SL-070968 | Active | | | State of Utah |
| E117 | 4303716049 | | | | | R24E : | 520' FNL/645' FWL | I-149-IND-8835 | Active | E117 | | Navajo Nation |
| E120 | 4303716050 | | | | | | | I-149-IND-8836 | Active | | | Navajo Nation |
| E121 | 4303716051 | | | | | | | I-149-IND-8836 | Active | | | Navajo Nation |
| E126 | 4303716054 | | | | | | | I-149-IND-8838 | Active | E126 | | Navajo Nation |
| C129 | 4303716055 | | | | | | 660' FNL/660' FWL | 14-20-603-4030 | Active | E129 | | Navajo Nation |
| E308 | 4303716060 | | | | | | | I-149-IND-8833 | Active | E308 | | Vavajo Nation |
| 2309 | 4303716061 | | | | | | | | P/A | | | Navajo Nation |
| C317 | 4303716062 | | | | | | | | Active | E317 | | Vavajo Nation |
| 2318 | 4303716063 | | | | | | | SL-067807 | Active | E318 1 | | Navajo Nation |
| | | NW | | | | | | | P/A | | | Vavajo Nation |
| 320 | | NW | | | | | | | Active | E320 I | E320 | Navajo Nation |
| 321 | | NW | | | | | | | | | E321 | Navajo Nation |
| | | NW : | | | | | | | | | E322 N | Navajo Nation |
| | | NW : | | | | | | | | | E323 | Navajo Nation |
| | | NW ! | | | | | | | | | | lavajo Nation |
| 325 | | | SW 2 | | | | 980' FSL/660' FWL | | | | | lavajo Nation |
| | | | SW 2 | | | | | | | | | lavajo Nation |
| 115 | 4303716074 | NE 1 | NW 1 | 5] | 140S F | (24E 6 | 90' FNL/2140' FWL | -149-IND-8834 | Active 1 | F115 F | | lavajo Nation |

| F208 | 4303716076 | SE | NW | 8 | T40S | R24E | 2140' FNL/2050' FWI | I-149-IND-8833 | Active | F208 | F208 | Navajo Nation |
|------|------------|----|------|----|--------|--------|---------------------|----------------|---------|------|------|---------------|
| F219 | 4303716077 | SE | NW | 19 | T40S | R24E | 1820' FNL/2140' FWI | I-149-IND-8836 | Active | F219 | F219 | Navajo Nation |
| F221 | 4303716078 | SE | NW | 21 | T40S | R24E | 1980' FNL/1980' FWI | I-149-IND-8836 | Active | F221 | F221 | Navajo Nation |
| F223 | 4303716079 | SE | NW | 23 | T40S | R24E | 1980' FNL/1820' FWI | I-149-IND-8838 | Active | F223 | F223 | Navajo Nation |
| F225 | 4303716080 | SE | NW | 25 | T40S | R24E | 2040' FNL/2080' FWI | I-149-IND-8838 | Active | F225 | F225 | Navajo Nation |
| F409 | 4303716082 | SE | SW | 9 | T40S | R24E | 660' FSL/1980' FWL | I-149-IND-8834 | Active | F409 | F409 | Navajo Nation |
| F421 | 4303716084 | SE | SW | 21 | T40S | R24E | 585' FSL/1990' FWL | I-149-IND-8836 | Active | F421 | F421 | Navajo Nation |
| F422 | 4303716085 | SE | SW | 22 | T40S | R24E | 660' FSL/1980' FWL | I-149-IND-8836 | Active | F422 | F422 | Navajo Nation |
| F423 | 4303716086 | SE | SW | 23 | T40S | | | I-149-IND-8838 | Active | F423 | F423 | Navajo Nation |
| F424 | 4303716087 | SE | SW | 24 | T40S | | | I-149-IND-8838 | Active | F424 | F424 | Navajo Nation |
| G117 | 4303716089 | NW | NE | 17 | T40S | R24E | 660' FNL/1980' FEL | I-149-IND-8835 | Active | G117 | G117 | Navajo Nation |
| G118 | 4303716090 | NW | NE | 18 | T40S | | | I-149-IND-8835 | Active | G118 | G118 | Navajo Nation |
| G119 | 4303716091 | NW | NE | 19 | T40S | R24E | 660' FNL/2140' FEL | I-149-IND-8836 | Active | G119 | G119 | Navajo Nation |
| G120 | 4303716092 | NW | NE | 20 | T40S | R24E | 660' FNL/1980' FEL | I-149-IND-8833 | Active | G120 | G120 | Navajo Nation |
| G125 | 4303716095 | NW | NE | 25 | T40S | | 660' FNL/2140' FEL | I-149-IND-8838 | Active | G125 | G125 | Navajo Nation |
| G129 | 4303716097 | NW | NE | 29 | T40S | | 580' FNL/1905' FEL | 14-20-603-4030 | Active | G129 | G129 | Navajo Nation |
| G307 | 4303716100 | NW | SE | 7 | T40S | | 1900' FSL/1995' FEL | SL-067807 | Active | G307 | G307 | Navajo Nation |
| G308 | 4303716101 | NW | SE | 8 | T40S | | 1975' FSL/1830' FEL | I-149-IND-8834 | Active | G308 | G308 | Navajo Nation |
| G317 | 4303716103 | NW | SE | 17 | T40S | | 1778' FSL/1900' FEL | I-149-IND-8835 | Active | G317 | G317 | Navajo Nation |
| G318 | 4303716104 | NW | SE | 18 | T40S | | 2125' FSL/1980' FEL | I-149-IND-8835 | Active | G318 | G318 | Navajo Nation |
| G320 | 4303716105 | NW | SE | 20 | T40S | | 1980' FSL/1980' FEL | I-149-IND-8836 | Active | G320 | G320 | Navajo Nation |
| G324 | 4303716111 | NW | SE | 24 | T40S | | 1980' FSL/1980' FEL | I-149-IND-8838 | Active | G324 | G324 | Navajo Nation |
| G326 | 4303716113 | NW | SE | 26 | T40S | | 1980' FSL/1980' FEL | I-149-IND-8838 | Active | G326 | G326 | Navajo Nation |
| G415 | 4303716116 | SW | SE | 15 | T40S | | 820' FSL/2400' FEL | I-149-IND-8834 | Active | G415 | G415 | Navajo Nation |
| H122 | 4303716117 | NE | NE | 22 | T40S | | 660' FNL/660' FEL | I-149-IND-8836 | Active | H122 | H122 | Navajo Nation |
| H207 | 4303716118 | SE | NE | 7 | T40S | | 1820' FNL/820' FEL | SL-067807 | T/A | | | State of Utah |
| H208 | 4303716119 | SE | NE | 8 | T40S | | 2140' FNL/660' FEL | I-149-IND-8833 | Active | H208 | H208 | Navajo Nation |
| H218 | 4303716120 | | NE | 18 | T40S | | 1980' FNL/660' FEL | I-149-IND-8835 | Active | H218 | H218 | Navajo Nation |
| H219 | 4303716121 | SE | NE | 19 | | | 1945' FNL/607' FEL | I-149-IND-8836 | Active | H219 | H219 | Navajo Nation |
| H221 | 4303716122 | SE | | 21 | | | 1980' FNL/660' FEL | I-149-IND-8836 | Active | H221 | H221 | Navajo Nation |
| H223 | 4303716123 | SE | | 23 | | | 1820' FNL/730' FEL | I-149-IND-8838 | Active | H223 | H223 | Navajo Nation |
| H225 | 4303716124 | | | 25 | | | 1980' FNL/660' FEL | I-149-IND-8838 | Active | H225 | H225 | Navajo Nation |
| H410 | 4303716125 | | | 10 | | | 625' FSL/545' FEL | I-149-IND-8834 | P/A | | | Navajo Nation |
| H422 | 4303716127 | | | 22 | | | ^660' FSL/660' FEL | I-149-IND-8836 | P/A | | | Navajo Nation |
| H423 | 4303716128 | | | | | | 820' FSL/450' FEL | I-149-IND-8838 | Active | H423 | | Navajo Nation |
| H425 | 4303716129 | | | 25 | | | 660' FSL/660' FEL | I-149-IND-8838 | Active | H425 | H425 | Navajo Nation |
| J129 | 4303716131 | | | 29 | | | 620' FNL/615' FWL | I-149-IND-8839 | P/A | | | Navajo Nation |
| J130 | 4303716132 | | | | | | 720' FNL/590' FEL | I-149-IND-8839 | Shut-In | | | Navajo Nation |
| J330 | 4303716134 | NW | | | | | | | Active | | | Navajo Nation |
| K230 | 4303716135 | | NW | | | | | | Shut-In | | | Navajo Nation |
| K430 | 4303716137 | | | | | | | | | | | Navajo Nation |
| L330 | 4303716139 | NW | | | | | | | | | | Navajo Nation |
| L419 | 4303716140 | | | | | | | | | | | Navajo Nation |
| M230 | 4303716141 | | | | | | | | | | | Navajo Nation |
| E128 | 4303716222 | | NW : | | | | | | | E128 | | Navajo Nation |
| F227 | 4303716223 | | NW : | | | | | | T/A | | | Navajo Nation |
| G128 | 4303716224 | NW | NE | 28 | T40S [| K24E 6 | 660' FNL/1980' FEL | 14-20-603-2056 | Shut-In | G128 | G128 | Navajo Nation |

| H228 | 4303716228 | SE | NE | 28 | T40S | R24F | 208 | O' FNI | L/560' FEL | 14-20-603-2056 | T/A | Т | | Marria Mation |
|--------------|--------------------------|----------|----------|---------------------|--------------|--------|---|--------|-----------------------|----------------------------------|-------------------|-------------|--------------|-----------------------------|
| A124 | 4303716270 | NW | | | T40S | | | | 500 FWL | SL-0701010-C | Active | | | Navajo Nation State of Utah |
| B123 | 4303716271 | NE | NW | 23 | T40S | | | | 2140' FWL | SL-0701010 | Active | | | State of Utah |
| B312 | 4303716272 | NE | SW | 12 | T40S | R23E | | | /3348' FEL | | Active | B312 | B312 | |
| B314 | 4303716273 | NE | SW | 14 | T40S | | | | /2030' FWI | | Active | D312 | D312 | Navajo Nation State of Utah |
| C112 | 4303716274 | NW | | 12 | T40S | | | | 1974' FEL | SL-070968-A | P/A | | | State of Utah |
| C124 | 4303716275 | NW | | 24 | T40S | | | | 1980' FEL | SL-0701010-C | P/A | | | State of Utah |
| C223 | 4303716276 | SW | NE | 23 | T40S | | | | /1980' FEL | SL-0701010-C | P/A | | | State of Utah |
| D114 | 4303716277 | NE | NE | 14 | T40S | R23E | | | 760' FEL | SL-070968 | Active | | | State of Utah |
| D212 | 4303716278 | SE | NE | 12 | T40S | R23E | | | /656' FEL | SL-070968-A | Shut-In | D212 | D212 | Navajo Nation |
| D413 | 4303716279 | SE | SE | 13 | T40S | R23E | | | 661' FEL | SL-070968-A | Active | | | State of Utah |
| E119 | 4303716280 | NW | NW | 19 | T40S | R24E | | | 820' FWL | I-149-IND-8836 | Active | E119 | E119 | Navajo Nation |
| E207 | 4303716283 | SW | NW | 7 | T40S | R24E | | | 750 FWL | | T/A | E207 | E207 | Travajo Tradion |
| E208 | 4303716284 | SW | NW | 8 | T40S | | | | /500' FWL | I-149-IND-8833 | T/A | | | Navajo Nation |
| F116 | 4303716285 | NE | NW | 16 | T40S | | | | 1980' FWL | ML-3156 | Active | F116 | F116 | Navajo Nation |
| F217 | 4303716286 | SE | NW | 17 | T40S | R24E | 1890 | O' FNL | /1930' FWL | I-149-IND-8835 | Active | F217 | F217 | Navajo Nation |
| F218 | 4303716287 | SE | NW | 18 | T40S | R24E | 1970 | O' FNL | /2060' FWL | I-149-IND-8835 | Active | F218 | F218 | Navajo Nation |
| F220 | 4303716288 | SE | NW | 20 | T40S | | | | | I-149-IND-8836 | Active | F220 | F220 | Navajo Nation |
| F224 | 4303716289 | SE | NW | 24 | T40S | | | | | I-149-IND-8838 | Active | F224 | F224 | Navajo Nation |
| F226 | 4303716290 | SE | NW | 26 | T40S | | | | | I-149-IND-8838 | Active | F226 | F226 | Navajo Nation |
| F229 | 4303716292 | SE | NW | 29 | T40S | | | | | 14-20-603-4030 | P/A | F229 | F229 | Navajo Nation |
| F235 | 4303716293 | SE | | 35 | T40S | | | | | 14-20-603-2059 | Active | F235 | F235 | Navajo Nation |
| F236 | 4303716294 | SE | NW | 36 | T40S | | | | | 14-20-603-5444 | Active | F236 | F236 | Navajo Nation |
| F311 | 4303716295 | NE | SW | 11 | T40S | | | | 1980'FWL | I-149-IND-8837 | P/A | | | Navajo Nation |
| F315 | 4303716296 | NE | SW | 15 | T40S | | | | 2010' FWL | I-149-IND-8834 | Active | F315 | F315 | Navajo Nation |
| F316 | 4303716297 | NE | SW | 16 | T40S | | | | | ML-3156 | Active | F316 | F316 | Navajo Nation |
| F408 | 4303716298 | SE | SW | 8 | T40S | | | | 980' FWL | I-149-IND-8833 | Active | F408 | F408 | Navajo Nation |
| F417 | 4303716299 | SE | SW | 17 | T40S | | *************************************** | | 140' FWL | I-149-IND-8835 | Active | F417 | F417 | Navajo Nation |
| F420 | 4303716300 | SE | SW | 20 | T40S | | | | 980' FWL | I-149-IND-8836 | Active | F420 | F420 | Navajo Nation |
| F425 | 4303716301 | SE | SW | 25 | T40S | | | | 960' FWL | I-149-IND-8838 | Active | F425 | F425 | Navajo Nation |
| F426 F434 | 4303716302 | SE | SW | 26 | T40S | | | | 867' FWL | I-149-IND-8838 | P/A | | | Navajo Nation |
| F434 | 4303716303 | SE | SW | 34 | T40S | | | | 860' FWL | 14-20-603-2056 | P/A | | | Navajo Nation |
| G123 | 4303716304 | SE NW | SW | 35 | T40S | | | | 930' FWL | 14-20-603-2059 | T/A | | | Navajo Nation |
| G123 | 4303716306 4303716307 | | | 23 27 | T40S | | | | 530' FEL | I-149-IND-8838 | Active | G123 | G123 | Navajo Nation |
| G319 | 4303716309 | | | 19 | T40S T40S | | | | 980' FEL | 14-20-603-2056 | Active | G127 | G127 | Navajo Nation |
| H216 | 4303716312 | SE | | 16 | T40S | | | | 2060' FEL 703' FEL | I-149-IND-8836 | Active | G319 | G319 | Navajo Nation |
| H217 | 4303716312 | | | 17 | T40S | | | | 820' FEL | ML-3156 I-149-IND-8833 | Active | H216 | H216 | Navajo Nation |
| | 4303716314 | | | | | | | | | | Active | H217 | H217 | Navajo Nation |
| | 4303716316 | | | 20 26 | | | | | | I-149-IND-8833 | | H220 | H220 | Navajo Nation |
| | 4303716317 | | | 20 27 | | | | | | I-149-IND-8838 | | H226 | H226 | Navajo Nation |
| | 4303716318 | - | | 27 29 | | | | | | 14-20-603-2056 14-20-603-4030 | Active Shut-In | H227 | H227 | Navajo Nation |
| | 4303716319 | | | | | | | | | 14-20-603-2056 | | | H229 | Navajo Nation |
| | 4303716320 | | | 35 | | | | | | 14-20-603-2059 | | H234 | H234 | Navajo Nation |
| | 4303716322 | | | 7 | | | | | | I-149-IND-8835 | | H235 | H235 | Navajo Nation |
| | 4303716323 | | | 8 | | R24E 5 | | | | I-149-IND-8834 | | H407 | H407 | Navajo Nation |
| | 4303716326 | | | 17 | | | | | | | | H408 | H408 | Navajo Nation |
| | | 1010 | <u> </u> | 1/ | נטדג | KZ7D J | OU F | יטר/טא | O FEL | 1-147-IIND-8833 | Active | H417 | H417 | Navajo Nation |

| H418 | 4303716327 | SE | SE | 18 | T40S | DOAT | COLEGI /CCOLEGI | IT 140 THE COOK | 14 | TTAGO | 177.440 | |
|-------|------------|----|----|----|------|--------|--|-----------------|---------|----------|---------|---------------|
| H419 | 4303716327 | SE | SE | 19 | T40S | | 660' FSL/660' FEL 570' FSL/450' FEL | I-149-IND-8835 | Active | H418 | H418 | Navajo Nation |
| H420 | 4303716328 | SE | SE | 20 | T40S | | | I-149-IND-8836 | P/A | - TT 400 | | Navajo Nation |
| H421 | 4303716329 | SE | SE | 21 | T40S | | 660' FSL/660' FEL | I-149-IND-8836 | Active | H420 | H420 | Navajo Nation |
| H424 | | | | | | R24E | <u> </u> | I-149-IND-8836 | Active | H421 | H421 | Navajo Nation |
| | 4303716331 | SE | SE | 24 | T40S | | 820' FSL/610' FEL | I-149-IND-8838 | Active | H424 | H424 | Navajo Nation |
| H426 | 4303716332 | SE | SE | 26 | T40S | | 710' FSL/510' FEL | I-149-IND-8838 | Active | H426 | H426 | Navajo Nation |
| H427 | 4303716333 | SE | SE | 27 | T40S | | | 14-20-603-2056 | Active | H427 | H427 | Navajo Nation |
| K231 | 4303716335 | SE | NW | 31 | T40S | | | | Active | K231 | K231 | Navajo Nation |
| M430 | 4303716337 | SE | SE | 30 | T40S | | | I-149-IND-8839 | Active | M430 | M430 | Navajo Nation |
| E414 | 4303716421 | SW | SW | 14 | T40S | | | I-149-IND-8837 | Active | E414 | E414 | Navajo Nation |
| F114 | 4303716422 | NE | NW | 14 | 40S | | 720' FNL/1870' FWL | I-149-IND-8839 | Active | F114 | F114 | Navajo Nation |
| E127 | 4303716782 | NW | NW | 27 | T40S | | | 14-20-603-2056 | P/A | | | Navajo Nation |
| H416 | 4303720230 | SE | SE | 16 | T40S | R24E | 150' FSL/660' FEL | ML-3156 | Active | H416 | H416 | Navajo Nation |
| G322X | 4303720231 | NW | SE | 22 | T40S | | 1550' FSL/1720' FEL | I-149-IND-8836 | Active | G322X | G322X | Navajo Nation |
| D412 | 4303730049 | SE | SE | 12 | T40S | | | SL-070968-A | Active | D412 | D412 | Navajo Nation |
| E316 | 4303730094 | NW | SW | 16 | T40S | | 2190' FSL/128' FWL | ML-3156 | Active | E316 | E316 | Navajo Nation |
| G321X | 4303730095 | NW | SE | 21 | T40S | | 1900' FSL/1755' FEL | I-149-IND-8836 | Shut-In | G321X | G321X | Navajo Nation |
| G316 | 4303730107 | NW | SE | 16 | T40S | | 2320' FSL/1745' FEL | ML-3156 | Active | G316 | G316 | Navajo Nation |
| C312 | 4303730112 | NW | SE | 12 | T40S | | 1610' FSL/1800' FEL | SL-070968-A | Active | C312 | C312 | Navajo Nation |
| A113 | 4303730119 | NW | NW | 13 | T40S | | 700' FNL/650' FWL | SL-070968-A | Active | | | State of Utah |
| E218 | 4303730137 | SW | NW | 18 | T40S | | 1860' FNL/660' FWL | SL-067807 | Active | E218 | E218 | Navajo Nation |
| F118 | 4303730155 | NE | NW | 18 | T40S | | 619' FNL/2184' FWL | SL-067807 | Active | F118 | F118 | Navajo Nation |
| D113 | 4303730174 | NE | NE | 13 | T40S | | 578' FNL/619' FEL | SL-070968-A | Active | | | State of Utah |
| E407 | 4303730175 | SW | SW | 7 | T40S | | 618' FSL/577' FWL | SL-067807 | Active | E407 | E407 | Navajo Nation |
| E315 | 4303730213 | | | 15 | T40S | | 2212' FSL/591' FWL | I-149-IND-8834 | Active | E315 | E315 | Navajo Nation |
| E122 | 4303730215 | NW | | 22 | T40S | | 528' FNL/660' FWL | I-149-IND-8836 | Active | E122 | E122 | Navajo Nation |
| F123 | 4303730235 | NE | | 23 | T40S | R24E | 660' FNL/2046' FWL | I-149-IND-8838 | Shut-In | F123 | F123 | Navajo Nation |
| B413 | 4303730297 | | | 13 | T40S | R23E | 660' FSL/1980' FWL | SL-070968-A | Active | | | State of Utah |
| A313 | 4303730299 | | | 13 | T40S | R23E | 1840' FSL/470' FWL | SL-070968-A | Active | | | State of Utah |
| H315 | 4303730312 | | SE | 15 | T40S | R24E | 1980' FSL/660' FEL | I-149-IND-8834 | Active | H315 | H315 | Navajo Nation |
| | 4303730333 | | SW | 16 | T40S | R24E | 1000' FSL/1980' FWL | ML-3156 | Active | F416 | F416 | Navajo Nation |
| | 4303730335 | | | 21 | T40S | R24E ' | 790' FNL/1780' FEL | I-149-IND-8836 | Active | G121X | G121X | Navajo Nation |
| G116 | 4303730344 | | | 16 | T40S | R24E | | ML-3156 | Active | G116 | G116 | Navajo Nation |
| | 4303730372 | NW | NE | 26 | T40S | R24E 8 | | I-149-IND-8838 | Active | G126X | G126X | Navajo Nation |
| | 4303730373 | SE | NW | 22 | | | | I-149-IND-8836 | Active | F222 | F222 | Navajo Nation |
| | 4303730425 | NW | NE | 22 | | | | I-149-IND-8836 | Active | G122 | G122 | Navajo Nation |
| H314X | 4303731381 | NE | SE | 14 | | | | | | H314X | H314X | Navajo Nation |

OPERATOR CHANGE WORKSHEET

ROUTING 1. GLH

2. CDW 3. FILE

Designation of Agent/Operator

X Change of Operator (Well Sold)

Operator Name Change

Merger

| The operator of the well(s) listed below has | changed, | effecti | ve: | 12/1/2004 | | | | | | | |
|---|-------------|---------|-------------|---|-------------|--------|------|--------|--|--|--|
| FROM: (Old Operator): N0210-Chevron USA, Inc. PO Box 4791 Houston, TX 77210-4791 | | | | TO: (New Operator): N2700-Resolute Natural Resources Company 1675 Broadway, Suite 1950 | | | | | | | |
| | | | | | r, CO 80202 | | | | | | |
| Phone: 1-(713) 752-7431 | | | | Phone: 1-(303) |) 534-4600 | | | | | | |
| CA | No. | | | Unit: | | AN | ETH | | | | |
| WELL(S) | | | | | | | | | | | |
| NAME | SEC TWN RNO | | RNG | API NO | ENTITY | LEASE | WELL | WELL | | | |
| ANTONIA | | | | | NO _ | TYPE | TYPE | STATUS | | | |
| ANETH UNIT H314X | 14 | | | 4303731381 | 7000 | Indian | WI | I | | | |
| ANETH E-315 | 15 | 400S | 240E | 4303730213 | 99990 | Indian | WI | A | | | |
| ANETH H-315 | 15 | 400S | 240E | 4303730312 | 7000 | Indian | WI | A | | | |
| TATE THREE 21-16 (ANETH F-116) | 16 | 400S | 240E | 4303716285 | 99990 | State | WI | A | | | |
| STATE THREE 23-16 (ANETH F-316) | 16 | 400S | 240E | 4303716297 | 99990 | State | WI | A | | | |
| TATE THREE 42-16 (ANETH H-216) | 16 | 400S | 240E | 4303716312 | 99990 | State | WI | A | | | |
| NETH H-416 | 16 | 400S | 240E | 4303720230 | 99990 | | WI | A | | | |
| NETH E-316 | 16 | 400S | 240E | 4303730094 | 99990 | | WI | A | | | |
| ANETH G-316 | 16 | 400S | 240E | 4303730107. | 99990 | | WI | A | | | |
| NETH F-416 | 16 | 400S | | 4303730333 | 99990 | | WI | A | | | |
| NETH G-116 | 16 | 400S | | 4303730344 | 99990 | | WI | A | | | |
| NETH G-321X | 21 | | | 4303730095 | 99990 | | WI | A | | | |
| NETH G-121X | 21 | | | 4303730335 | 99990 | | WI | A | | | |
| NETH G-322X | 22 | | | 4303720231 | 99990 | | WI | A | | | |
| NETH E-122 | 22 | | | 4303730215 | 99990 | | WI | A | | | |
| NETH H-222 | 22 | | | 4303730242 | 99990 | | WI | A | | | |
| NETH F-222 | 22 | | | 4303730242 | 99990 | | WI | A | | | |
| NETH G-122 | 22 | | | 4303730425 | 99990 | | WI | A | | | |
| NETH F-123 | 23 | 400S | | 4303730235 | 99990 | | WI | | | | |
| NETH G-126X | 26 | | | 4303730233 | 99990 | | WI | A | | | |
| NETH 27-A-1 (ANETH E-127) | 27 | | | 4303736782 | 99990 | | | A | | | |
| | | 1.005 | 2702 | 7303/10/02 | 77770 | maian | WI | A | | | |

OPERATOR CHANGES DOCUMENTATION

| Enter date after each listed item is completed | Enter | date a | after ea | ich liste | d item | is co | mnlete |
|--|-------|--------|----------|-----------|--------|-------|--------|
|--|-------|--------|----------|-----------|--------|-------|--------|

| 1. | (R049-8-10) Sundry or legal documentation was received from the FORMER (| operator on: |
|----|---|--------------|
| _ | - | |

12/22/2004

(R649-8-10) Sundry or legal documentation was received from the NEW operator on:

12/13/2004

| 3. | The new compan | y was chec | ked on the D | epartment of Commerce, | Division of Corporations | Database on |
|----|----------------|------------|--------------|------------------------|--------------------------|-------------|
| | T | _ | | | - | |

11/22/2004

|) . | is the | new | operator | registered | lin | the | Stat | e of | U | tal | a: |
|----------------|--------|-----|----------|------------|-----|-----|------|------|---|-----|----|
|----------------|--------|-----|----------|------------|-----|-----|------|------|---|-----|----|

YES Business Number:

5733505-0143

If NO, the operator was contacted contacted on:

6a. (R649-9-2) Waste Management Plan has been received on:

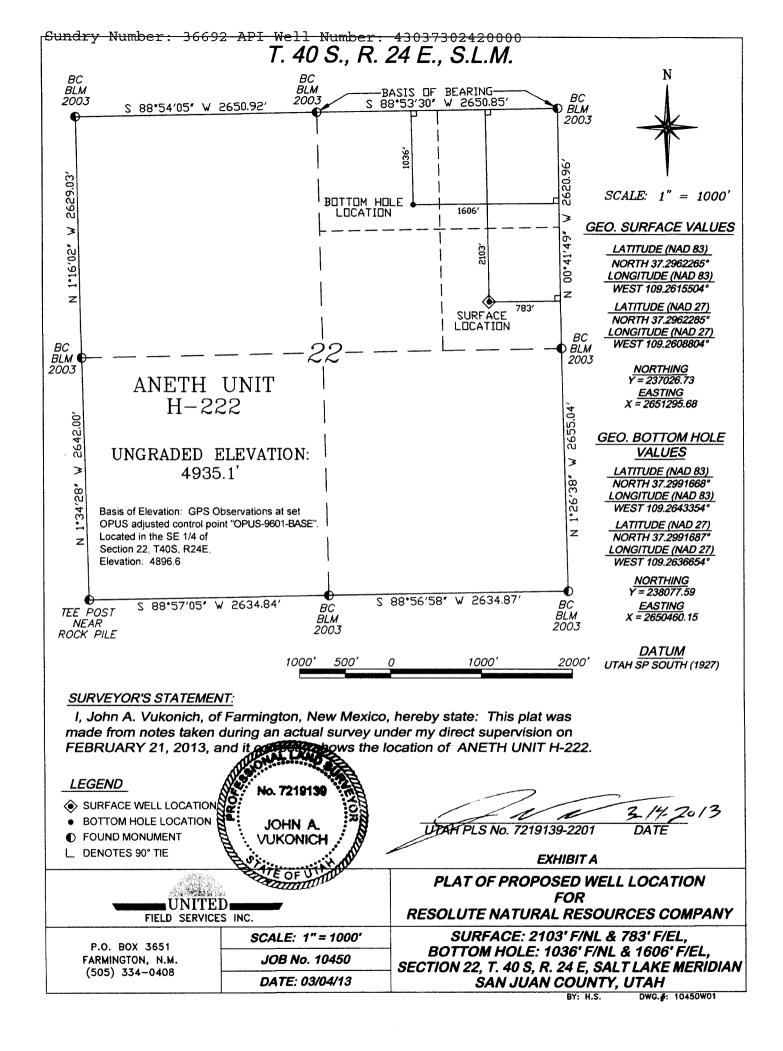
requested

6b. Inspections of LA PA state/fee well sites complete on:

12/20/2004

| 7. | Federal and Indian Lease Wells: The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA not yet |
|------------|--|
| 8. | Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for wells listed on: not yet |
| 9. | Federal and Indian Communization Agreements ("CA"): The BLM or BIA has approved the operator for all wells listed within a CA on: |
| 10 | . Underground Injection Control ("UIC") The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: |
| D A | ATA ENTRY: |
| 1. | Changes entered in the Oil and Gas Database on: 12/29/2004 |
| 2. | Changes have been entered on the Monthly Operator Change Spread Sheet on: 12/29/2004 |
| 3. | Bond information entered in RBDMS on: |
| 4. | Fee/State wells attached to bond in RBDMS on: |
| 5. | Injection Projects to new operator in RBDMS on: separate list |
| 6. | Receipt of Acceptance of Drilling Procedures for APD/New on: n/a |
| FF | EDERAL WELL(S) BOND VERIFICATION: |
| 1. | Federal well(s) covered by Bond Number: B001263 |
| IN | DIAN WELL(S) BOND VERIFICATION: |
| 1. | Indian well(s) covered by Bond Number: B001264 |
| | EE & STATE WELL(S) BOND VERIFICATION: |
| 1. | (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number B001262 |
| 2. | The FORMER operator has requested a release of liability from their bond on: The Division sent response by letter on: |
| | EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: |
| CC | OMMENTS: |
| | |
| | |
| _ | |

| | The transfer of the control of the c | | | <u></u> |
|--|--|--|---|---|
| | STATE OF UTAH | | | FORM 9 |
| | DEPARTMENT OF NATURAL RESON DIVISION OF OIL, GAS, AND I | | · } | 5.LEASE DESIGNATION AND SERIAL NUMBER: 1-149-IND-8836 |
| SUNDR | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO | | | |
| Do not use this form for pro current bottom-hole depth, r FOR PERMIT TO DRILL form | posals to drill new wells, significar eenter plugged wells, or to drill ho n for such proposals. | ntly deep rizontal l | en existing wells below aterals. Use APPLICATION | 7.UNIT or CA AGREEMENT NAME: ANETH |
| 1. TYPE OF WELL Water Injection Well | | | | 8. WELL NAME and NUMBER: ANETH H-222 |
| 2. NAME OF OPERATOR: RESOLUTE NATURAL RESOU | RCES | | | 9. API NUMBER: 43037302420000 |
| 3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950, | Denver, CO, 80202 | | NE NUMBER: 44-4600 Ext | 9. FIELD and POOL or WILDCAT: GREATER ANETH |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2096 FNL 0776 FEL | | | | COUNTY: SAN JUAN |
| QTR/QTR, SECTION, TOWNSH | IIP, RANGE, MERIDIAN: 2 Township: 40.0S Range: 24.0E M | eridian: S | 3 | STATE: UTAH |
| 11. CHECK | APPROPRIATE BOXES TO INDI | CATE NA | ATURE OF NOTICE, REPOR | T, OR OTHER DATA |
| TYPE OF SUBMISSION | | | TYPE OF ACTION | |
| ✓ NOTICE OF INTENT | ☐ ACIDIZE | | ALTER CASING | CASING REPAIR |
| Approximate date work will start: 4/12/2013 | CHANGE TO PREVIOUS PLANS | | HANGE TUBING | CHANGE WELL NAME |
| 4/12/2013 | CHANGE WELL STATUS | | COMMINGLE PRODUCING FORMATIONS | CONVERT WELL TYPE |
| SUBSEQUENT REPORT | ✓ DEEPEN | □ ₽ | RACTURE TREAT | ☐ NEW CONSTRUCTION |
| Date of Work Completion: | OPERATOR CHANGE | | LUG AND ABANDON | PLUG BACK |
| | PRODUCTION START OR RESUME | П | RECLAMATION OF WELL SITE | RECOMPLETE DIFFERENT FORMATION |
| SPUD REPORT Date of Spud: | REPERFORATE CURRENT FORMATION | F7 | DETRACK TO REPAIR WELL | TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | , | ENT OR FLARE | WATER DISPOSAL |
| DRILLING REPORT | | | | |
| Report Date: | | LJ S | I TA STATUS EXTENSION | L APD EXTENSION |
| | WILDCAT WELL DETERMINATION | | OTHER | OTHER: |
| Resolute propose (MD), TVD = 5952 response within the production incr | Engineers and operation injection area in Greater ease to justify the expensions. | Unit Hans star Ins star Ins Aneth Inse of t | -222 to deepen the w ff recommend this pro n field. The workover he sidetrack. Drilling as well as water pern | vellbore from 5555' to 7034' ocedure to enhance the CO2 should generate incremental |
| | | | | Approved by the |
| hirt | BHL | | 1 52021 4 | Uldn Division at |
| 654043 K | 7,40 | | 6538364 41294804 | Oil, Gas and Mining |
| 41291594 | | | | Name Cont |
| 37. 296298 | Rederet Approval of this Action is Necessary | ه ا | 37.299228 De | 10 (1) (1) |
| -109.26145 | · L | 1 | [04. 24. 16. | - Mary Mary |
| NAME (PLEASE PRINT) Sherry Glass | PHONE NU 303 573-4886 | JMBER | TITLE Sr Regulatory Technician | M |
| SIGNATURE N/A | | | DATE 4/12/2013 | |



Sidetrack

Aneth Unit H-222

2103' FNL & 783' FEL Sec 22, T40S, R24E San Juan County, Utah API 43-037-30242

Formation Tops (KB 4,945)

 Navajo
 928'

 Chinle
 1,694'

 DeChelley
 2,832'

 Organ Rock
 2,930' (Est)

 Hermosa
 4,696'

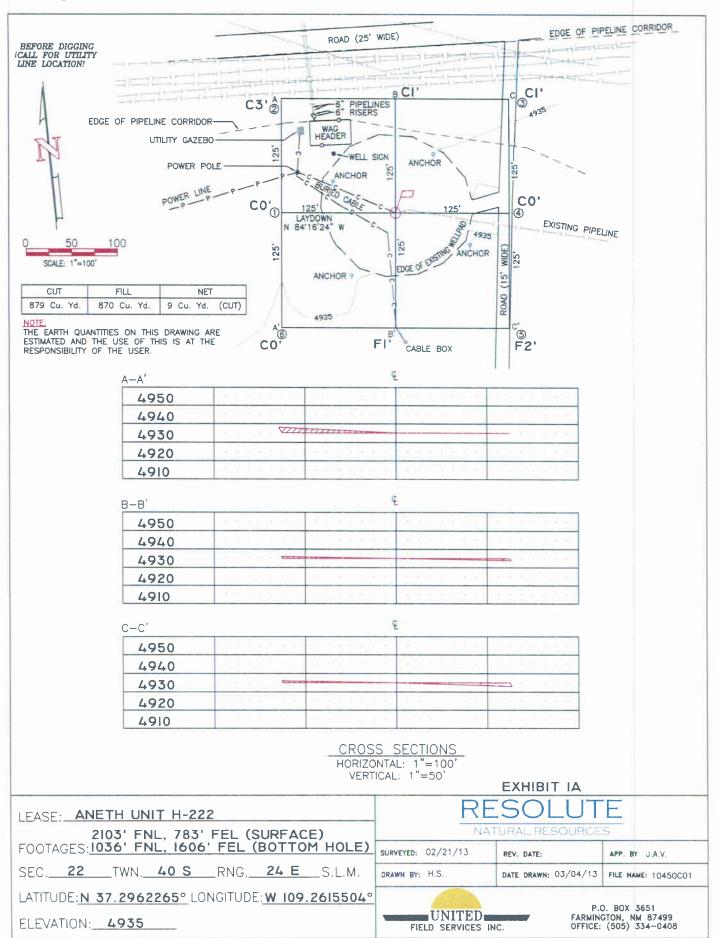
 Ismay
 5,588'

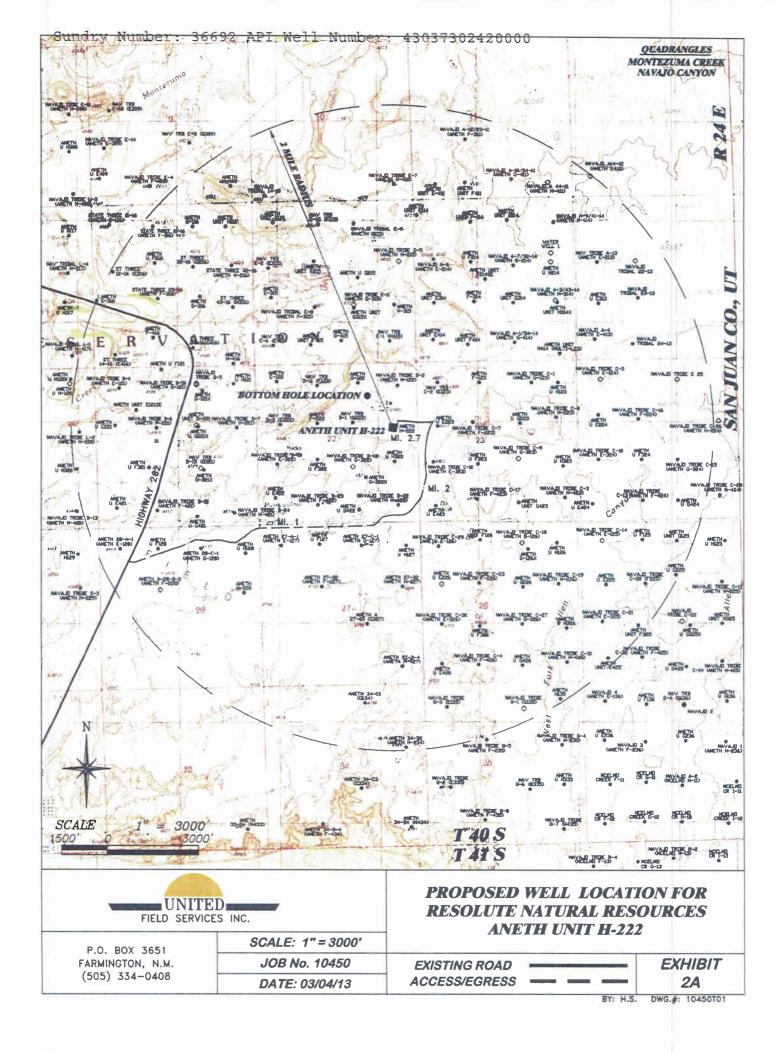
Sidetrack Procedure (Proposed)

- 1. MIRU.
- 2. Mock MIT.
- 3. Pull injection equipment.
- 4. Run CBL & Csg Inspection Logs (5700' to Surface).
- 5. Set whipstock on CIBP (5562').
- 6. Drill 4-3/4" OH lateral from 5555' to 7034' (MD), (TVD = 5952'), BHL: 1036' FNL & 1606' FEL of Sec. 22, T40S, R24E.

 Note: Sfc Location: 2103' FNL & 783' FEL of Sec. 22, T40S, R24E
- 7. Acidize OH lateral w/ 5,000 gals of 20% HCL.
- 8. Run injection equipment.
- 9. Circulate packer fluid.
- 10.MIT

11.RWTI



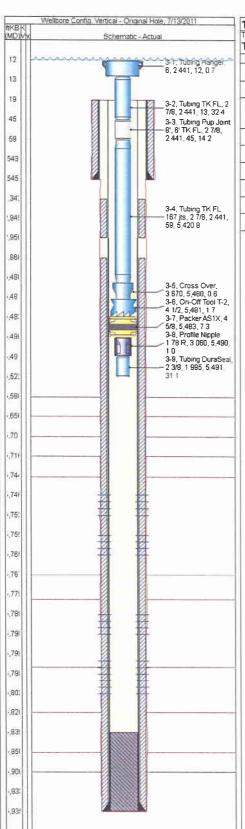




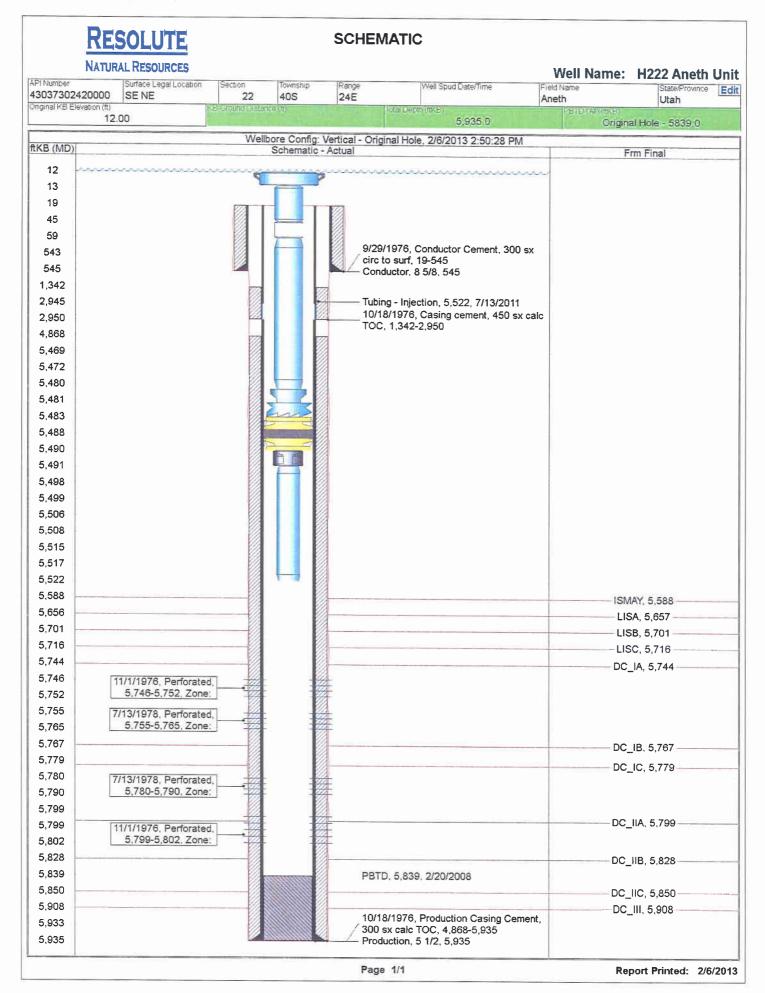
Tubing

Well Name: H222 Aneth Unit

| API Number | Surface Legal Location | Section | Township | Range | Well Spud Date/Time | Field Name | State/Province | Working interest / Edit |
|----------------|------------------------|---------|----------|-------|---------------------|------------|----------------|-------------------------|
| 43037302420000 | SE NE | 22 | 40S | 24E | | Aneth | Utah | 61.77 |



| Tubi | | | | | | | | | |
|-------|----------------------------------|---------|---------|-------------|-----------|------------|----------|------------|--------------|
| | Description | | | Set Dep | th (ftKB) | Run Da | te | Pull Date | Edit |
| Tubii | ng - Injection | | | 5 | ,521.9 | 7 | /13/2011 | | (|
| Jts | Item Description | OD (in) | ID (in) | Wt (lbs/ft) | Grade | Top Thread | Len (ft) | Top (ftKB) | Btm (ft Edit |
| 1 | Tubing Hanger | 6 | 2.441 | 6.50 | J-55 | | 0.68 | 12.0 | 12.7 |
| 1 | Tubing TK FL | 27/8 | 2.441 | 6.50 | J-55 | | 32.45 | 12.7 | 45.1 |
| 1 | Tubing Pup Joint 8', 6' TK FL | 2 7/8 | 2.441 | 6.50 | J-55 | | 14.22 | 45.1 | 59.3 |
| -1 | Tubing TK FL. 167 jts | 2 7/8 | 2.441 | 6.50 | J-55 | | 5,420 | 59.3 | 5,480.2 |
| 1 | Cross Over | 3.67 | | | | | 0.62 | 5,480.2 | 5,480.8 |
| 1 | On-Off Tool T-2 | 4 1/2 | | | | | 1.73 | 5,480.8 | 5,482.5 |
| -1 | Packer AS1X | 4 5/8 | | | | | 7.25 | 5,482.5 | 5,489.8 |
| 1 | Profile Nipple 1.78 R | 3.06 | | | | | 1.00 | 5,489.8 | 5,490.8 |
| 1 | Tubing DuraSeal | 2 3/8 | 1.995 | 4.60 | J-55 | | 31.15 | 5,490 8 | 5 521 9 |



vajo Department of Water Resour **Water Code Administration** P.O. Box 678

Fort Defiance, Arizona 86504 Ph. No. (928) 729-4132/Fax No. (928) 729-4421

WATER USE PERMIT

WUP NO: ▶06.0015

VALID FROM DEC 2 9 2005 to DEC 2 9 2010

NOTE: This permit is valid only upon signature of the Department of Water Resources Director. Please read Water Use Permit information sheet before completing this form.

| APPLICANT: Resolute Natural Resources | | | | | | | | |
|--|---|------------------------|--|--|--|--|--|--|
| LAST NAME | | COMPANY NAME | | | | | | |
| MAILING ADDRESS: Post Office Box | 800 | | | | | | | |
| CITY: Montezuma Creek | STATE: <u>Utah</u> | ZIP CODE: 84534 | | | | | | |
| CONTACT PERSON: Roger Atcitty | TELEPHONE I | NO: 435_651_3682 V 103 | | | | | | |
| ******* | Fax. | #: 435-651-3276 | | | | | | |
| DATE RECEIVED: NOV 2 3 2005 | DATE COMPLET | TEDJAN 0 4 2006 | | | | | | |
| \$25.00 Filing Fee Received | | | | | | | | |
| | | , w | | | | | | |
| IDENTIFIED | WATER SOURCE TO BE US | 100 | | | | | | |
| IDENTIFIED | WALLA SOURCE TO BE US | JE.L. | | | | | | |
| () Spring No: | () Stream Name: | | | | | | | |
| | () Stockpond Name/No: () Lake/Reservoir Name: | | | | | | | |
| KX Well No: CUSA WW #15 | | | | | | | | |
| Amount of water requested: 1,000 acre-ft | | | | | | | | |
| () Other Description/Name: | Grazing I | District: 12 | | | | | | |
| | | Chapter Code:ANET | | | | | | |
| | | | | | | | | |
| State: () AZ/Arizona | () NM/New Mexico | (X) UT/Utah | | | | | | |
| County: () AP/Apache | () MK/McKinley | (x) SJ/San Juan | | | | | | |
| () NA/Navajo () CO/Coconino | () VL/Valencia () BL/Bernalillo | () KA/Kane | | | | | | |
| () Co/Coconno | () SD/Sandovai | | | | | | | |
| | () SO/Socorro | | | | | | | |
| | () RA/Rio Arriba () SA/San Juan | | | | | | | |
| Quad. No: (7.5 min. Series) 4648 | ,, | | | | | | | |
| UTM COORDINATES: X (East) 648885 | Y (North) 4125.3 | 45 ZONE 12 | | | | | | |
| NE SE SW NW / NE SE SW NW / NE SE SW | | 40S 24E | | | | | | |
| 10 Acre 40 Acre 160 Acr | | Township Range | | | | | | |
| | | | | | | | | |

Sundry Number: 36692 API Well Number: 430373024200000. FUU.U.J

| WUP 10: | | | | | | | | | |
|--|---|--------------------------|----------------------|------------------------|-------------------------------|--|--|--|--|
| LAND STATUS | | | | | | | | | |
| K) TRUST () FEE | () LEAS | SE ()A | LLOTMENT | ()OTHER | | | | | |
| WATERSHED NAME: | San Juan Riv | er | USGS WATE | ERSHED COD | E NO. 14080201 | | | | |
| | | | | | | | | | |
| PRIMARY: | CONSUMPTIVE WATER USE NEEDED FOR PRIMARY: | | | | | | | | |
| () Domestic | | , |) Recreational | | | | | | |
| () Municipal () Livestock | () Industrial () Mining | | | | | | | | |
| () Irrigation Agriculture | | 1 |) Commercial | | | | | | |
| () Wildlife and Fish | ***** | | Other Oil | and Gas P | roduction | | | | |
| DOMESTIC/MUNICIPAL: Number of People: | | | | | | | | | |
| TYPE OF LIVESTOCK: | () Horses | | | | | | | | |
| N/A | () Cattle | No: | | () Goats () Sheep | No: | | | | |
| IV A | () Other: | | | () No: | | | | | |
| TYPE OF CROPS: | () Row (ie., co | rn) | | Acres | | | | | |
| 37/4 | () Forage-Hay | | | Астез | | | | | |
| N/A | () Small Grain () Horticulture | | Vegetables) | Acres | | | | | |
| TYPE OF WILDLIFE: | | | | | | | | | |
| : | () Fish () Large Game | | | () Small () Birds | Game No: | | | | |
| N/A | () Large Game () Others | No: | | () Ditus | NO: | | | | |
| IF WATER IS USED FOR IN | DUSTRIAL OR | MINING PURI | POSES, ATTAC | H WATER SU | JPPLY PLAN | | | | |
| DESCRIBING SOURCE AND | D METHODS OF | DIVERSION, | CONVEYANC | E AND USES. | | | | | |
| SEASON OF MAXIMUM US | • • • • | - |) Summer | * * | (X) Winter | | | | |
| MAXIMUM RATE OF USE: | | | | | | | | | |
| EXPECTED DATE WATER | | | • | | | | | | |
| EXPECTED VOLUME OF W | VATER TO BE U | SED: | 141 | ac/ft (| gallons) | | | | |
| METHOD OF WATER DIVE | ERSION: | () Inst () Other: _ | ream Pump | () ated at we | Gate or Gravity Flow | | | | |
| METHOD OF WATER CON | VEYANCE: | () Ditc () Other: _ | h ()Cı | KX lana | Pipeline () Truck | | | | |
| ATTACH AN 8 ½" X 11" MAP SHOWING EXACT LOCATION OF IDENTIFIED WATER SOURCE AND SCENARIO/LOCATION OF WHERE WATER IS TO BE USED. | | | | | | | | | |
| | RET | URN FLOW O | R DISCHARGI | E | | | | | |
| AMOUNT OF WATER: | N/A | OFC. | () () | METHOD: | () Direct | | | | |
| | GPM () | CFS | ()GPD | | () Indirect () Injection | | | | |
| IS DISCHARGE TREATED | ()YES | () NO | | | • | | | | |
| IS QUALITY AFFECTED FEDERAL/UIC PERMIT: | | ()NO | IS TEMPERA NPDES PER | TURE AFFEC | CTED () YES () NO | | | | |
| · · · · · · · · · · · · · · · · · · · | | | | · | <u></u> | | | | |

****06.00**

CONDITIONS

- 1. Purpose of definition "Department" means the Navajo Nation Department of Water Resources and "Permittee" means Resolute Natural Resources (Formerly Chevron U.S.A. Inc.) and its successors.
- 2. Permittee agrees to comply with the terms and conditions of the Water Use Permit and the Navajo Nation Water Code. Permittee understands and agrees that failure to comply with the permit shall result in forfeiture of this permit.
- 3. This permit may be revoked if:
 - A. Permittee is not in compliance with any conditions set forth in this permit.
 - B. Permittee is in violation of any provision of the Navajo Nation Water Code.
 - C. Insufficient water supplies are present for whatever reason or term.
 - D. For any other due cause as a result of negative findings from investigation that is performed by both Department and Permittee.
- 4. The total quantity of water withdrawn by the Permittee from all water supply wells in the alluvium of San Juan River for the secondary or tertiary recovery of oil shall not exceed 1,000 acre-feet in any year.
- 5. Permit is valid from January 1, 2006 through December 31, 2010 and shall expire on December 31, 2010 or at the completion of the proposed project or required water usage, whichever comes first. Permittee does not have authority to transfer, convey, or allocate the water subject to this permit to any third party or for any other to transfer, convey, or allocate the water subject to this permit to any third party or for any other project not specified herein. It is further agreed between the parties that this permit does not give the Permittee the right to haul water for hire on the Navajo Reservation, or on land subject to the jurisdiction of the Navajo Nation.
- 6. Permittee agrees to pay a water use fee of \$1,000.00 (one thousand dollars) per water supply well per year. A lump sum payment will be paid at the end of each year for anticipated water use for the coining year, beginning with 2006. Thereafter payment may be made in advance. The wate ruse fee will increase by 100.00 (on hundred dollars) per water supply well per year in the event that the average posted price for West Texas Intermediate Crude Oil exceeds \$30.00 (thirty dollars) per barrel for more than 6 (six) months in any year. The Permittee will pay the additional amount to the Department with the next payment, if the said change in posted price occurred in the previous advance payment. A credit may be given to the Permittee for the amount paid in advance, if the water use fee for similar use is lowed by the Resources Committee. No amount of money will be refunded to the Permitteee. The credited amount will be carried over to the next payment owed to the Navajo Nation. Permittee will pay the amount due in the beginning of each year to the Water Code Administration of the Department. Payment plans may be arranged between both parties in a written agreement.
- 7. Permittee agrees to provide water well development support to affected Chapters by paying directly to each Chapter \$250.00 (two hundred fifty dollars) per water well per year for wells located within each Chapter's boundaries. Permittee shall inform the Department of the payment as soon as the payment is made.
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- 9. The Permittee shall monitor the effects of water use of the alluvial after by measuring static (non-pumping) water levels in a least three (3) of the water supply wells on a quarterly basis, and shall submit this water level data to the Department together with the information required in Condition 8. The Navajo Nation reserves the right to this permit due to adverse impacts on the water resources of the Navajo Nation resulting from the Permittee's activities, as determined by the Department.
- 10. The Navajo Nation may revoke this permit upon any breach by giving the Permittee notice of such revocation in writing no less than ten (10) days preior to the effective date of revocation, provided that if the Permittee remedies any such breach within said ten (10) day periods, the permit will remain in effect. Said notice shall state the grounds upon which the revocation is being made.

· 06.0018

- 17. Permittee agrees to obtain a separate Water Use Permit for each point of withdrawal of water prior to making use of any additional water source.
- 12. Permittee agrees to hold harmless and indemnify the Navajo Nation against any and all losses, costs, damages, claims, expenses or other liability whatsoever, rising out of, or connected with Permittee's services under this permit including but not limited to, any accident or injury to person or property.
- 13. All disputes arising from the subject matter of this permit or the performance thereof will be settled in the Navajo Nation Courts and under the laws of the Navajo Nation. Nothing herein shall be construed as a waiver of the sovereign immunity of the Navajo Nation, pursuant to 1 N.T.C. §351 et seq.
- 14. Permittee agrees to maintain the immediate area in a safe and sanitary manner, free of unnecessary debris.
- 15. Authorization granted under this permit is only for the stated use of the indicated water source location. Permittee is responsible for obtaining any applicable permit from the appropriate department/agency that may be required for the proposed work.
- 16. If permittee hires sub-contractors to haul water covered by Water Use Permit, Permittee must notify the Navajo Water Code Administration of sub-contractors in writing.
- 17. It is agreed that the Department reserves the right to limit the quantity of water that can be taken under this permit to the above stated amount or less and will give the Permittee 30 day notice before such action is imposed. Such limitations will be imposed at the discretion of the Department.
- 18. Permittee agrees to allow reasonable entry upon their premises by Navajo Nation Employees engaged in the administration of this permit.
- 19. The Department will allow the Permittee to continue to make irrigation water available to the Whitehorse High School, Montezuma Creek, Utah, and to those local residents currently using the water for livestock usage.
- 20. In the event the Department or the Navajo Nation subsequently reduces the cost of water use permits to other oil and gas industry members, then the Department or Navajo Nation shall grant to the Permittee a credit for the amounts that it has previously paid and apply such credit to future financial obligations owed by Texaco to the Nation for water use.
- 21. The permit shall be renewable each year for the next 5 years under the same terms and conditions as set forth herein.

| Permittee's Signature | Date 72. 23-05 |
|-------------------------------|--|
| Approved/Disapproved: | OFFICIAL USE ONLY Mensie Williams Date 01-03-06 Water Code Administrator Market Famence Date 12-29-05 Technical Reviewer Official Reviewer Date 1-4-06 |
| | tor, Department of Water Resources |
| If Disapproved State Reasons: | |

/ajo Department of Water Resour Water Code Administration

P.O. Box 678

Fort Defiance, Arizona 86504

Ph. No. (928) 729-4132/Fax No. (928) 729-4421

WATER USE PERMIT

£-06.0016

| WHE NO | 2 -9-2005 - | | | |
|------------|------------------------|-----|----|------|
| | 2 8 2000 | DEC | 29 | 2010 |
| VALID FROM | to | | | |

NOTE: This permit is valid only upon signature of the Department of Water Resources Director. Please read Water Use Permit information sheet before completing this form.

| APPLICANT: | Kesolute Na | tural Resou | urces | | | |
|---|--|--|--|---|--|-----------------|
| ٠. | LAST NAM | Œ | FI | RST; OR COMP | PANY NAME | |
| MAILING ADDRI | ESS: Post 0 | ffice Box 8 | 800 | | | |
| CITY: Mon | tezuma Creek | | STATE: | Utah | _ ZIP CODE: | 84534 |
| | ON: Roger A | tcitty | TELE | EPHONE NO: | 435-651-368 | R2 Y_103 |
| ***** | ******* | | | Eax.#: 4 | 435-651-3276. | |
| DATE RECEIVED | NOV 2 3 | 2005 | DATE C | OMPLETED | JAN 0 4 200 | 96 Å (|
| \$25.00 Filing Fee R | Received | | Receipt No. | | Initial | IMI |
| | | 1 | - | 1 | | |
| | 11 |)FNTIFIER W | ATER SOURCE | TO DE HORE | | |
| | 11 | venilitied w | A LER SOURCE | i o de asen | | |
| () Spring No: | W. W. W. C. | | () Stream | Name: | | |
| | ne/No: | | | | | |
| | SA WW #16 | | | | | |
| | | | | | | |
| | equested: 1,00 | | | | | |
| Amount of water re | equested: 1,00 | 0 acre-ft | | | | |
| Amount of water re | equested: 1,00 | 0 acre-ft | | Grazing Distric | ict:12 | |
| Amount of water re | equested: 1,00 | 0 acre-ft | | Grazing Distric | ict:12 | |
| Amount of water re | equested: 1,00 | 0 acre-ft | | Grazing Distric | ict:12 | <u> </u> |
| Amount of water re () Other Descripti Chapter: | equested: 1,00 ion/Name:Aneth () AZ/Arizona () AP/Apache | 0 acre-ft | () NM/New Mexi | Grazing Distric Chapter Code: | (x) UT/Utab | h Juan |
| Amount of water re () Other Descripti Chapter: State: | equested: 1,00 ion/Name: Aneth () AZ/Arizona () AP/Apache () NA/Navajo | 0 acre-ft | () NM/New Mexi () MK/McKinley () VL/Valencia | Grazing Distric Chapter Code: | ict:12: | h Juan |
| Amount of water re () Other Descripti Chapter: State: | equested: 1,00 ion/Name:Aneth () AZ/Arizona () AP/Apache | 0 acre-ft | () NM/New Mexi () MK/McKinley () VL/Valencia () BL/Bernalillo | Grazing Distric Chapter Code: | (x) UT/Utab | h Juan |
| Amount of water re () Other Descripti Chapter: State: | equested: 1,00 ion/Name: Aneth () AZ/Arizona () AP/Apache () NA/Navajo | O acre-ft | () NM/New Mexi () MK/McKinley () VL/Valencia () BL/Bernalillo () SD/Sandoval () SO/Socorro | Grazing Distric Chapter Code: ico | (x) UT/Utab | h Juan |
| Amount of water re () Other Descripti Chapter: State: | equested: 1,00 ion/Name: Aneth () AZ/Arizona () AP/Apache () NA/Navajo | O acre-ft | () NM/New Mexi () MK/McKinley () VL/Valencia () BL/Bernalillo () SD/Sandoval () SO/Socorro () RA/Rio Arriba | Grazing Distric Chapter Code: ico | (x) UT/Utab | h Juan |
| Amount of water re () Other Description Chapter: State: County: | equested: 1,00 ion/Name: Aneth () AZ/Arizona () AP/Apache () NA/Navajo () CO/Coconino | O acre-ft | () NM/New Mexi () MK/McKinley () VL/Valencia () BL/Bernalillo () SD/Sandoval () SO/Socorro | Grazing Distric Chapter Code: ico | (x) UT/Utab | h Juan |
| Amount of water re () Other Description Chapter: State: County: Quad. No: (7.5 min | equested: | 0 acre-ft | () NM/New Mexi () MK/McKinley () VL/Valencia () BL/Bernalillo () SD/Sandoval () SO/Socorro () RA/Rio Arriba () SA/San Juan | Grazing Distric Chapter Code: ico | (x) UT/Utah (x) SJ/San J () KA/Kan | h Juan ne |
| Amount of water re () Other Descripti Chapter: State: County: Quad. No: (7.5 min | equested: | 0 acre-ft () () () () () () () () () () () () () | () NM/New Mexi () MK/McKinley () VL/Valencia () BL/Bernalillo () SD/Sandoval () SO/Socorro () RA/Rio Arriba () SA/San Juan Y (North) | Grazing District Code: Chapter Code: | (x) UT/Utah (x) SJ/San . (1) KA/Kan | h Juan ne |
| Amount of water re () Other Descripti Chapter: State: County: Quad. No: (7.5 min | equested: | 0 acre-ft () () () () () () () () () () () () () | () NM/New Mexi () MK/McKinley () VL/Valencia () BL/Bernalillo () SD/Sandoval () SO/Socorro () RA/Rio Arriba () SA/San Juan Y (North) | Grazing District Code: Chapter Code: | (x) UT/Utah (x) SJ/San J () KA/Kan | h Juan ne |

| | | | Ī | AND STATUS | | |
|-------|-----------|------------------|--------------|---------------|--------------------------|-------|
| K) TI | RUST | ()FEE | ()LEASE | () ALLOTMENT | () OTHER_ | ***** |
| WAT | ERSHED NA | AME: <u>Sa</u> r | 1 Juan River | USGS WATE | ERSHED CODE NO. 14080201 | |

| | CONSUMPTIVE WA | TER USE NEEL | DED FOR | |
|----------------------------|---|----------------|-----------------|---------------------|
| PRIMARY: | | | | |
| () Domestic | | () Recreation | al | |
| () Municipal | | () Industrial | | |
| () Livestock | | () Mining | | |
| () Irrigation Agriculture | | () Commerci | | |
| ************ | * * * * * * * * * * * * * * * * * * | (X) Other | 11 and Gas Pro | duction |
| DOMESTIC/MUNICIPAL: | | | | |
| | Number | of Homes: | C | Others: |
| ٠. | | | | |
| TYPE OF LIVESTOCK: | () Horses No: | | () Goats | No: |
| N/A | () Cattle No: | | () Sheep N | o: |
| | () Other: | | () No: | |
| TYPE OF CROPS: | () Row (ie., corn) | | 4 anns | |
| TITE OF CROSES. | () Forage-Hay-Pasture | | Acres | |
| N/A | () Small Grains | | Acres | |
| WA | () Horticulture (ie., Fruits | & Vegetables) | Acres | |
| | (,,==================================== | , , | | |
| TYPE OF WILDLIFE: | () Fish No: | | () Small G | ame No: |
| | () Large Game No: | | _ () Birds | |
| N/A | () Others No: | | | |
| IF WATER IS USED FOR U | NDUSTRIAL OR MINING P | HIDPOSES ATT | ACH WATED CIID | DIV MINING |
| | D METHODS OF DIVERSI | | | FLI FLAN |
| SEASON OF MAXIMUM U | | | (X) Fall | (V) Winter |
| | :87.5 | | | (3) Wilder |
| | USAGE TO BEGIN: 1/ | | | |
| | WATER TO BE USED: | | | galions) |
| METHOD OF WATER DIV | | Instream Pump | | ate or Gravity Flow |
| | | | ocated at well | and or Gilling Flow |
| | | | | |
| METHOD OF WATER CO | | Ditch () | Canal (X) Pi | peline () Truck |
| | () Othe | er: | | |
| ATTACH ANS 1/4 Y 11" M | AP SHOWING EXACT LOC | ATION OF INF | NTIFIED WATED | COURCE AND |
| | F WHERE WATER IS TO B | | MILITIED WATER; | SOURCE AND |
| | | | <u> </u> | <u> </u> |
| , | RETURN FLO | W OR DISCHAR | RĢE | <u> </u> |
| AMOUNT OF WATER: | N/A V | | _ METHOD: | () Direct 🚶 |
| (|) GPM () CFS | ()GPD | | () Indirect |
| | | | | () Injection |
| IS DISCHARGE TREATED | 7 7 | *** | | |
| IS QUALITY AFFECTED | ()YES ()NO N/A | | | ED () YES () NO |
| FEDERAL/UIC PERMIT: _ | IV A | NPUES P | PERMIT NUMBER: | : <u>N/A</u> |

CONDITIONS

- 1. Purpose of definition "Department" means the Navajo Nation Department of Water Resources and "Permittee" means Resolute Natural Resources (Formerly Chevron U.S.A. Inc.) and its successors.
- 2. Permittee agrees to comply with the terms and conditions of the Water Use Permit and the Navajo Nation Water Code. Permittee understands and agrees that failure to comply with the permit shall result in forfeiture of this permit.
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 - A. Permittee is not in compliance with any conditions set forth in this permit.
 - B. Permittee is in violation of any provision of the Navajo Nation Water Code.
 - C. Insufficient water supplies are present for whatever reason or term.
 - D. For any other due cause as a result of negative findings from investigation that is performed by both Department and Permittee.
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21. The permit shall be renewable each year for the next 5 years under the same terms and conditions as set forth herein.

| Permittee's Signature | Date NW. 23-05 |
|-------------------------------|---|
| Recommendation: (X) Yes () N | OFFICIAL USE ONLY To farmie Williams Date 01-03-06 Water Code Administrator |
| (XYes ()N | O Yen Fame no Date 12-29-05 1 Technical Reviewer |
| Approved/Disapproved:Dir | Melf Wldwood Date 1-4-06 rector, Department of Water Resources |
| If Disapproved State Reasons: | |
| | |

'ajo Department of Water Resour

Water Code Administration

P.O. Box 678

Fort Defiance, Arizona 86504

Ph. No. (928) 729-4132/Fax No. (928) 729-4421

APPROVED

WATER USE PERMIT

▶06.0017

NOTE: This permit is valid only upon signature of the Department of Water Resources Director. Please read Water Use Permit information sheet before completing this form.

| APPLICANT: Resolute Natur | al Resources | | |
|--|--------------------------------------|---------------------------------|---|
| LAST NAME | | ; OR COMPANY NAME | |
| MAILING ADDRESS: Post Off: | ice Box 800 | | |
| CITY: Montezuma Creek | STATE:U | tah ZIP CODE: | 8/453/4 |
| CONTACT PERSON: Roger Atc | ttv TELEPH | IONE NO: 425 651 200 | 0 17 400 |
| ******* | ****** | Fax. #: $435-651-3276$ | <u> </u> |
| DATE RECEIVED: NOV 2 3 | 2005 DATE COM | MPLETED JAN 0 4 2006 | 1 |
| \$25.00 Filing Fee Received | | | |
| | | 101(13) | 10/ |
| | | | |
| IDEN | TIFIED WATER SOURCE TO | BE USED | |
| () Spring No: | () Stream Nai | me: | |
| () Stockpond Name/No: | () Lake/Reser | voir Name: | |
| KX Well No: CUSA WW #17 | () Injection W | Vell No: | |
| Amount of water requested: 1,000 g | cre-ft | | |
| () Other Description/Name: | | azing District: | |
| Chapter: Aneth | Ch | anter Code: | |
| | | ANET | *************************************** |
| State: () AZ/Arizona | () NM/New Mexico | (X) UT/Utah | |
| County: () AP/Apache | () MK/McKinley | (x) SJ/San Ja | uan |
| () NA/Navajo () CO/Coconino | () VL/Valencia () BL/Bernalillo | () KA/Kanc | : |
| () Co/Coconnio | () SD/Sandoval | | |
| | () SO/Socorro | | |
| | () RA/Rio Arriba | | |
| | () SA/San Juan | | |
| Quad. No: (7.5 min. Series) 464 | | | w.Y |
| | | /405055 | |
| UTM COORDINATES: X (East) 648 | 980 Y (North) | 4125255 ZONE | 12 |
| UTM COORDINATES: X (East) 648 NE SE SW NW / NE SE SW NW / NE 10 Acre 40 Acre | | 4125255 ZONE 40S Township | 12 24E |

Sundry Number: 36692 API Well Number: 43037302420000 Ub. Ub.

| | | | W/-5 NO: | |
|--|---|--------------------------------|-----------------------------------|--|
| | <u>I</u> | AND STATUS | | |
| K) TRUST () FEE WATERSHED NAME: | ()LEASE San Juan River | () ALLOTMEN USGS W | T ()OTHER_ ATERSHED CODE | NO. 14080201 |
| | CONSUMPTIVI | E WATER USE NEI | EDED FOR | |
| PRIMARY: | | | DED FOR | |
| () Domestic () Municipal | | () Recreation | | |
| () Livestock | | () Industria () Mining | ıl | |
| () Irrigation Agriculture | | () Commer | cial | |
| () Wildlife and Fish | | (X) Other | Oil and Gas Pro | duction |
| DOMESTIC/MUNICIPAL: Number of People: | | | | |
| TYPE OF LIVESTOCK: | | | | |
| N/A | () Cattle No: | | () Goats N () Sheep No | 10: |
| Ny FI | () Horses No: | | () No: | |
| TYPE OF CROPS: | () Row (ie., corn) | | Aanar | |
| | () Forage-Hay-Pastu | re | Acres | **.*********************************** |
| N/A | () Small Grains | | Acres | |
| | () Horticulture (ie., F | ruits & Vegetables) | Acres | |
| TYPE OF WILDLIFE: | () Fish | No: | () Small Ga | me No: |
| ; m () | () Large Game | No: | () Birds | No: |
| N/A | | No: | | |
| IF WATER IS USED FOR IN | IDUSTRIAL OR MININ | i <mark>g purposes, a</mark> t | TACH WATER SUPI | PLY PLAN |
| DESCRIBING SOURCE AN | | | | |
| SEASON OF MAXIMUM U | | | | (X) Winter |
| MAXIMUM RATE OF USE: | : <u>87.5</u> | (X) GPM | ()CFS | (2) |
| EXPECTED DATE WATER | | | | |
| EXPECTED VOLUME OF V | | | ac/ft (| gallons) |
| METHOD OF WATER DIVI | ERSION: | () Instream Pump | | ate or Gravity Flow |
| METHOD OF WATER CON | | () Ditch (Other: |) Canal (X) Pip | reline () Truck |
| ATTACH AN 8 1/2" X 11" M/ SCENARIO/LOCATION O | AP SHOWING EXACT I EWHERE WATER IS T | OCATION OF IDE | ENTIFIED WATER S | OURCE AND |
| AMOUNT OF WATER: | N/A RETURN F) GPM () CFS | LOW OR DISCHA | METHOD: | () Direct () Indirect |
| IS DISCHARGE TREATED IS QUALITY AFFECTED FEDERAL/UIC PERMIT: _ | | O IS TEMP | ERATURE AFFECTI PERMIT NUMBER: | () Injection ED () YES () NO N/A |

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- 11. Permittee agrees to obtain a separate Water Use Permit for each point of withdrawal of water prior to making use of any additional water source.
- 12. Permittee agrees to hold harmless and indemnify the Navajo Nation against any and all losses, costs, damages, claims, expenses or other liability whatsoever, rising out of, or connected with Permittee's services under this permit including but not limited to, any accident or injury to person or property.
- 13. All disputes arising from the subject matter of this permit or the performance thereof will be settled in the Navajo Nation Courts and under the laws of the Navajo Nation. Nothing herein shall be construed as a waiver of the sovereign immunity of the Navajo Nation, pursuant to 1 N.T.C. §351 et seq.
- 14. Permittee agrees to maintain the immediate area in a safe and sanitary manner, free of unnecessary debris.
- 15. Authorization granted under this permit is only for the stated use of the indicated water source location. Permittee is responsible for obtaining any applicable permit from the appropriate department/agency that may be required for the proposed work.
- 16. If permittee hires sub-contractors to haul water covered by Water Use Permit, Permittee must notify the Navajo Water Code Administration of sub-contractors in writing.
- 17. It is agreed that the Department reserves the right to limit the quantity of water that can be taken under this permit to the above stated amount or less and will give the Permittee 30 day notice before such action is imposed. Such limitations will be imposed at the discretion of the Department.
- 18. Permittee agrees to allow reasonable entry upon their premises by Navajo Nation Employees engaged in the administration of this permit.
- 19. The Department will allow the Permittee to continue to make irrigation water available to the Whitehorse High School, Montezuma Creek, Utah, and to those local residents currently using the water for livestock usage.
- 20. In the event the Department or the Navajo Nation subsequently reduces the cost of water use permits to other oil and gas industry members, then the Department or Navajo Nation shall grant to the Permittee a credit for the amounts that it has previously paid and apply such credit to future financial obligations owed by Texaco to the Nation for water use.

21. The permit shall be renewable each year for the next 5 years under the same terms and conditions as set forth herein.

| Permittee's Signatu | re Milly | Date 71.23-05 |
|---------------------|---|----------------------|
| Recommendation: | OFFICIAL US (1) Yes () No Jennie Waler Code Ac | hanes Date 01-03-06 |
| | (X) Yes () No Kanena Technical F | Date <u>(2-29-05</u> |
| Approved/Disappr | He Hales | nd Date 1-4-06 |
| If Disapproved Sta | ite Reasons: | |
| | | |

ajo Department of Water Resource Water Code Administration

P.O. Box 678

Fort Defiance, Arizona 86504

Ph. No. (928) 729-4132/Fax No. (928) 729-4421

WATER USE PERMIT

t 06.0018

VALID FROM DEC 2 9 2005 . DEC 2 9 2010

NOTE: This permit is valid only upon signature of the Department of Water Resources Director. Please read Water Use Permit information sheet before completing this form.

| APPLICANT: | Resolute Natur | | | |
|--------------------|----------------------------------|--------------------------------------|------------------------|-------------|
| | LAST NAME | | T; OR COMPANY NAME | |
| MAILING ADDR | ESS: Post Offi | ce Box 800 | | |
| CITY: Mor | itezuma Creek | STATE: | Jtah ZIP CODE: | 84534 |
| CONTACT PERS | ON: Roger Atci | tty Telepi | HONE NO: 435_651_369 | 2 ¥ 102 |
| ******* | ******* | ******* | . Fax. #: 435-651-3276 | ***** |
| DATE RECEIVE | D: NOV 2 3 2 | 005 DATE CO | MPLETED JAN 0 4 2008 | j (|
| | | | Initial | IMM |
| | | | | No |
| · | inen | TIFIED WATER SOURCE TO |) BE LICEN | |
| | 20211 | IN LED WATER SOURCE TO | DE USED | |
| () Spring No: | | () Stream Na | me: | |
| | | | rvoir Name: | |
| | | | Well No: | |
| | requested: 1,000 ac | | | |
| () Other Descript | ion/Name: | Gr | razing District:12 | |
| | | | hapter Code:ANET | |
| | | | | |
| State: | () AZ/Arizona | () NM/New Mexico | (X) UT/Utah | |
| County: | () AP/Apache | () MK/McKinley | (x) SJ/San J | |
| | () NA/Navajo () CO/Coconino | () VL/Valencia () BL/Bernalillo | () KA/Kane | : |
| | () CO/Coconmo | () SD/Sandoval | | |
| | | () SO/Socorro | | |
| | | () RA/Rio Arriba () SA/San Juan | | |
| Quad. No: (7.5 mi | n. Series)4 | ` ' | | |
| | | | 4125190 ZONE | 12 |
| | NE SE SW NW / NE | | 40S | 24E |
| 10 Acre | | 160 Acre Section | Township | Range |
| <u> </u> | | | | |

Sundry Number: 36692 API Well Number: 43037302420000 06.0018

| | LAND STATUS |
|---|---|
| K) TRUST () FEE () LEASE WATERSHED NAME: San Juan River | () ALLOTMENT () OTHERUSGS WATERSHED CODE NO. 14080201 |

| WATERSHED NAME: | San Juan River | USGS WA | TERSHED CODE NO | . 14080201 |
|--|--|---|----------------------------------|---|
| | CONSUMPTIVE W | ATED LICE NEED | ED FOR | |
| PRIMARY: () Domestic () Municipal () Livestock () Irrigation Agriculture () Wildlife and Fish | | () Recreations () Industrial () Mining () Commercia | al | ction |
| DOMESTIC/MUNICIPAL: Number of People: | | | | |
| TYPE OF LIVESTOCK: | () Horses No: | | () Goats No: | |
| N/A | () Horses No: () Cattle No: () Other: | | () Sheep No: | |
| TYPE OF CROPS: | () Row (ie., corn) () Forage-Hay-Pasture | | Acres | |
| N/A | () Small Grains () Horticulture (ie., Fruit | ts & Vegetables) | Acres Acres Acres | |
| TYPE OF WILDLIFE: | () Fish No: () Large Game No: | | () Small Gam () Birds | e No: |
| N/A | | | () Dirus | No: |
| IF WATER IS USED FOR IN | DUSTRIAL OR MINING I | PIIDPAGES ATT | CH WATER CURRY | W THE A IN |
| DESCRIBING SOURCE ANI | | | | I PLAN |
| SEASON OF MAXIMUM US | | | | (X) Winter |
| MAXIMUM RATE OF USE: | \ | | • • | (V) winter |
| EXPECTED DATE WATER | | | | |
| EXPECTED VOLUME OF W | | | | |
| METHOD OF WATER DIVE | CRSION: () | Instream Pump | () Gate | or Gravity Flow |
| METHOD OF WATER CON | VEYANCE: () Oth | Ditch () | Canal (X) Pipel | ine () Truck |
| ATTACH AN 8 ½" X 11" MA SCENARIO/LOCATION OF | P SHOWING EXACT LOC WHERE WATER IS TO B | CATION OF IDEN | TIFIED WATER SO | URCE AND |
| AMOUNT OF WATER:() | N/A RETURN FLO | W OR DISCHAR | METHOD: | () Direct) Indirect) Injection |
| IS DISCHARGE TREATED IS QUALITY AFFECTED FEDERAL/UIC PERMIT: | ()YES ()NO ()YES ()NO N/A | IS TEMPEI NPDES P | RATURE AFFECTED ERMIT NUMBER: | ()YES ()NO |

06.0015

CONDITIONS

- 1. Purpose of definition "Department" means the Navajo Nation Department of Water Resources and "Permittee" means Resolute Natural Resources (Formerly Chevron U.S.A. Inc.) and its successors.
- 2. Permittee agrees to comply with the terms and conditions of the Water Use Permit and the Navajo Nation Water Code. Permittee understands and agrees that failure to comply with the permit shall result in forfeiture of this permit.
- 3. This permit may be revoked if:
 - A. Permittee is not in compliance with any conditions set forth in this permit.
 - B. Permittee is in violation of any provision of the Navajo Nation Water Code.
 - C. Insufficient water supplies are present for whatever reason or term.
 - D. For any other due cause as a result of negative findings from investigation that is performed by both Department and Permittee.
- 4. The total quantity of water withdrawn by the Permittee from all water supply wells in the alluvium of San Juan River for the secondary or tertiary recovery of oil shall not exceed 1,000 acre-feet in any year.
- 5. Permit is valid from January 1, 2006 through December 31, 2010 and shall expire on December 31, 2010 or at the completion of the proposed project or required water usage, whichever comes first. Permittee does not have authority to transfer, convey, or allocate the water subject to this permit to any third party or for any other to transfer, convey, or allocate the water subject to this permit to any third party or for any other project not specified herein. It is further agreed between the parties that this permit does not give the Permittee the right to haul water for hire on the Navajo Reservation, or on land subject to the jurisdiction of the Navajo Nation.
- 6. Permittee agrees to pay a water use fee of \$1,000.00 (one thousand dollars) per water supply well per year. A lump sum payment will be paid at the end of each year for anticipated water use for the coining year, beginning with 2006. Thereafter payment may be made in advance. The wate ruse fee will increase by 100.00 (on hundred dollars) per water supply well per year in the event that the average posted price for West Texas Intermediate Crude Oil exceeds \$30.00 (thirty dollars) per barrel for more than 6 (six) months in any year. The Permittee will pay the additional amount to the Department with the next payment, if the said change in posted price occurred in the previous advance payment. A credit may be given to the Permittee for the amount paid in advance, if the water use fee for similar use is lowed by the Resources Committee. No amount of money will be refunded to the Permitteee. The credited amount will be carried over to the next payment owed to the Navajo Nation. Permittee will pay the amount due in the beginning of each year to the Water Code Administration of the Department. Payment plans may be arranged between both parties in a written agreement.
- 7. Permittee agrees to provide water well development support to affected Chapters by paying directly to each Chapter \$250.00 (two hundred fifty dollars) per water well per year for wells located within each Chapter's boundaries. Permittee shall inform the Department of the payment as soon as the payment is made.
- 8. Permittee agrees to submit meter readings or other evidence showing the quantity of water withdrawn pursuant to this permit to the Water Code Administrator on a quarterly basis.
- 9. The Permittee shall monitor the effects of water use of the alluvial after by measuring static (non-pumping) water levels in a least three (3) of the water supply wells on a quarterly basis, and shall submit this water level data to the Department together with the information required in Condition 8. The Navajo Nation reserves the right to this permit due to adverse impacts on the water resources of the Navajo Nation resulting from the Permittee's activities, as determined by the Department.
- 10. The Navajo Nation may revoke this permit upon any breach by giving the Permittee notice of such revocation in writing no less than ten (10) days preior to the effective date of revocation, provided that if the Permittee remedies any such breach within said ten (10) day periods, the permit will remain in effect. Said notice shall state the grounds upon which the revocation is being made.

- 11. Permittee agrees to obtain a separate Water Use Permit for each point of withdrawal of water prior to making use of any additional water source.
- 12. Permittee agrees to hold harmless and indemnify the Navajo Nation against any and all losses, costs, damages, claims, expenses or other liability whatsoever, rising out of, or connected with Permittee's services under this permit including but not limited to, any accident or injury to person or property.
- 13. All disputes arising from the subject matter of this permit or the performance thereof will be settled in the Navajo Nation Courts and under the laws of the Navajo Nation. Nothing herein shall be construed as a waiver of the sovereign immunity of the Navajo Nation, pursuant to 1 N.T.C. §351 et seq.
- 14. Permittee agrees to maintain the immediate area in a safe and sanitary manner, free of unnecessary debris.
- 15. Authorization granted under this permit is only for the stated use of the indicated water source location. Permittee is responsible for obtaining any applicable permit from the appropriate department/agency that may be required for the proposed work.
- 16. If permittee hires sub-contractors to haul water covered by Water Use Permit, Permittee must notify the Navajo Water Code Administration of sub-contractors in writing.
- 17. It is agreed that the Department reserves the right to limit the quantity of water that can be taken under this permit to the above stated amount or less and will give the Permittee 30 day notice before such action is imposed. Such limitations will be imposed at the discretion of the Department.
- 18. Permittee agrees to allow reasonable entry upon their premises by Navajo Nation Employees engaged in the administration of this permit.
- 19. The Department will allow the Permittee to continue to make irrigation water available to the Whitehorse High School, Montezuma Creek, Utah, and to those local residents currently using the water for livestock usage.
- 20. In the event the Department or the Navajo Nation subsequently reduces the cost of water use permits to other oil and gas industry members, then the Department or Navajo Nation shall grant to the Permittee a credit for the amounts that it has previously paid and apply such credit to future financial obligations owed by Texaco to the Nation for water use.

21. The permit shall be renewable each year for the next 5 years under the same terms and conditions as set forth herein.

| ermittee's Signature | Date Mr. 23-05 |
|-------------------------------|---|
| Recommendation: (X) Yes () N | OFFICIAL USE ONLY Note That I was a second of the second |
| Yes () No | Date 12-29-05 Technical Reviewer Welf Gleswood Date 1-4-06 |
| | rector, Department of Water Resources |
| If Disapproved State Reasons: | |

vajo Department of Water Resour Water Code Administration

P.O. Box 678

Fort Defiance, Arizona 86504

Ph. No. (928) 729-4132/Fax No. (928) 729-4421

APPROVED

WATER USE PERMIT

₽06.0019

| WUPN | U: | | | | |
|----------------|----|--------------------|-----|----|------|
| VALID FROM DEC | 29 | 2005 _{to} | DEC | 29 | 2010 |

NOTE: This permit is valid only upon signature of the Department of Water Resources Director. Please read Water Use Permit information sheet before completing this form.

| MAILING ADDRESS: Post Office Box 800 CITY: Montezuma Creek STATE: Utah ZIP CODE: 84534 CONTACT PERSON: Roger Atcitty TELEPHONE NO: 435-651-3682 X-103 Fax #: 435-651-3276 DATE RECEIVED: NOV 2 3 2005 DATE COMPLETED JAN 0 4 2006 \$25.00 Filing Fee Received Receipt No. Initial IDENTIFIED WATER SOURCE TO BE USED () Spring No: () Stream Name: () Lake/Reservoir Name: XX Well No: CUSA WW #19 () Injection Well No: Amount of water requested: 1,000 acre-ft () Other Description/Name: Grazing District: 12 Chapter: Aneth Chapter Code: ANET |
|--|
| CITY: Montezuma Creek |
| CITY: Montezuma Creek STATE: Utah ZIP CODE: 84534 |
| CONTACT PERSON: Roger Atcitty |
| DATE RECEIVED: NOV 2 3 2005 DATE COMPLETED JAN 0 4 2006 \$25.00 Filing Fee Received Receipt No. Initial IDENTIFIED WATER SOURCE TO BE USED |
| Initial Initial Initial Initial |
| Initial Initial Initial Initial |
| IDENTIFIED WATER SOURCE TO BE USED () Spring No: |
| () Spring No: |
| () Spring No: |
| () Stockpond Name/No: () Lake/Reservoir Name: |
| () Stockpond Name/No: () Lake/Reservoir Name: |
| KN Well No:CUSA_WW #19 |
| Amount of water requested: 1,000 acre-ft () Other Description/Name: Grazing District: 12 Chapter: Aneth Chapter Code: ANET |
| () Other Description/Name: Grazing District: 12 Chapter: Aneth Chapter Code: ANET |
| Chapter: Aneth Chapter Code: ANET |
| |
| FACALLY (NATIONAL CONTRACTOR OF THE CONTRACTOR O |
| State: () AZ/Arizona () NM/New Mexico (X) UT/Utah |
| County: () AP/Apache () MK/McKinley (x) SJ/San Juan |
| () NA/Navajo () VL/Valencia () KA/Kane () CO/Coconino () BL/Bernalillo |
| () SD/Sandoval |
| () SO/Socorro () RA/Rio Arriba |
| () SA/San Juan |
| Quad. No: (7.5 min. Series) 4648 |
| UTM COORDINATES: X (East) 649102 Y (North) 4125125 ZONE 12 |
| NE SE SW NW / NE SE SW NW / NE SE SW NW 31 40S 24E |
| 10 Acre 40 Acre 160 Acre Section Township Range |

| LAND STATUS | | | | | | | |
|---|---|--|----------------------|--|--|--|--|
| K) TRUST () FEE WATERSHED NAME: | () LEASE () San Juan River |) ALLOTMENT () OTHER USGS WATERSHED COI | DE NO. 14080201 | | | | |
| PRIMARY: | CONSUMPTIVE WA | TER USE NEEDED FOR | | | | | |
| () Domestic | | () Recreational | | | | | |
| () Municipal | | () Recreational () Industrial | | | | | |
| () Livestock | | () Mining | | | | | |
| () Irrigation Agriculture () Wildlife and Fish | | () Commercial | | | | | |
| ****** | ********** | (X) Other Oil and Gas | Production_ | | | | |
| DOMESTIC/MUNICIPAL: | | of Homes: | | | | | |
| . • | () Horses No: | () Coots | | | | | |
| N/A | () Cattle No: | ()Sheep | No: No: | | | | |
| 17/11 | () Other: | | | | | | |
| TYPE OF CROPS: | () Row (ie., corn) | Acres | | | | | |
| ! | () Forage-Hay-Pasture | Acres | | | | | |
| N/A | () Small Grains | Acres | | | | | |
| | () Horticulture (ie., Fruits | & Vegetables) Acres | | | | | |
| TYPE OF WILDLIFE: | () Fish , No:_ | () Smal | I Game No: | | | | |
| <u>:</u> | () Large Game No: | () Smal | No: | | | | |
| . N/A | () Others No: | (| · \ | | | | |
| | | JRPOSES, ATTACH WATER S | | | | | |
| | | N, CONVEYANCE AND USES. | | | | | |
| SEASON OF MAXIMUM US | · / · · · · · · · · · · · · · · · · · · | (X) Summer (X) Fall | (X) Winter | | | | |
| MAXIMUM RATE OF USE: | | | ; | | | | |
| EXPECTED DATE WATER | | | | | | | |
| | | 141 ac/ft | gallons) | | | | |
| METHOD OF WATER DIVE | \ <i>\ ,</i> | nstream Pump () r:pump_located at_we | Gate or Gravity Flow | | | | |
| METHOD OF WATER CON | \ / = | litch ()Canal (x) | Pipeline () Truck | | | | |
| ATTACH AN 8 1/2" X 11" MAP SHOWING EXACT LOCATION OF IDENTIFIED WATER SOURCE AND SCENARIO/ LOCATION OF WHERE WATER IS TO BE USED. | | | | | | | |
| | RETURN FLOW | OR DISCHARGE | | | | | |
| AMOUNT OF WATER: | N/A | METHOD: | () Direct | | | | |
| () | GPM () CFS | () GPD | () Indirect | | | | |
| IS DISCHARGE TREATED | ()YES ()NO | | () Injection | | | | |
| IS QUALITY AFFECTED | ()YES ()NO | IS TEMPERATURE AFFE | CTED () YES () NO | | | | |
| FEDERAL/UIC PERMIT: | | NPDES PERMIT NUMBI | ER:N/A | | | | |

CONDITIONS

- 1. Purpose of definition "Department" means the Navajo Nation Department of Water Resources and "Permittee" means Resolute Natural Resources (Formerly Chevron U.S.A. Inc.) and its successors.
- 2. Permittee agrees to comply with the terms and conditions of the Water Use Permit and the Navajo Nation Water Code. Permittee understands and agrees that failure to comply with the permit shall result in forfeiture of this permit.
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 - B. Permittee is in violation of any provision of the Navajo Nation Water Code.
 - C. Insufficient water supplies are present for whatever reason or term.
 - D. For any other due cause as a result of negative findings from investigation that is performed by both Department and Permittee.
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- 20. In the event the Department or the Navajo Nation subsequently reduces the cost of water use permits to other oil and gas industry members, then the Department or Navajo Nation shall grant to the Permittee a credit for the amounts that it has previously paid and apply such credit to future financial obligations owed by Texaco to the Nation for water use.

21. The permit shall be renewable each year for the next 5 years under the same terms and conditions as set forth herein.

| ermittee's Signature | Date 14-23-05 |
|-------------------------------|--|
| Recommendation: (1) Yes (1) N | Water Code Administrator |
| Approved/Disapproved: | Technical Reviewer Mel Alaward Date 1-4-06 rector, Department of Water Resources |
| If Disapproved State Reasons: | |
| | |

/ajo Department of Water Resour

Water Code Administration P.O. Box 678

Fort Defiance, Arizona 86504

Ph. No. (928) 729-4132/Fax No. (928) 729-4421

WATER USE PERMIT

≈06.0020

VALID FROM DEC 2 9 2005 to DEC 2 9 2010

NOTE: This permit is valid only upon signature of the Department of Water Resources Director. Please read Water Use Permit information sheet before completing this form.

| JCANT: Resolute Natural Resources | | | | | | | |
|---|--------------|--|--|--|--|--|--|
| LAST NAME FIRST; OR COMPANY NAME | · | | | | | | |
| LING ADDRESS: Post Office Box 800 | | | | | | | |
| : Montezuma Creek STATE: <u>Utah</u> ZIP COD | DE:84534 | | | | | | |
| FACT PERSON: Roger Atcitty TELEPHONE NO: 435-65 | 1-3682 X-103 | | | | | | |
| • • • • • • • • • • • • • • • • • • • | 3276 | | | | | | |
| E RECEIVED: NOV 2 3 2005 DATE COMPLETED JAN O | 4 2006 | | | | | | |
| 0 Filing Fee Received Receipt No In | | | | | | | |
| | | | | | | | |
| IDENTIFIED WATER SOURCE TO BE USED | | | | | | | |
| | | | | | | | |
| ring No:() Stream Name: | | | | | | | |
| ockpond Name/No: () Lake/Reservoir Name: | | | | | | | |
| KN Well No: CUSA WW #20 () Injection Well No: | | | | | | | |
| ant of water requested: 1,000 acre-ft | | | | | | | |
| ther Description/Name: Grazing District: | 12 | | | | | | |
| ter: Aneth Chapter Code: | | | | | | | |
| | | | | | | | |
| () AZ/Arizona () NM/New Mexico (x) U | T/Utah | | | | | | |
| ty: () AP/Apache () MK/McKinley (c) S | J/San Juan | | | | | | |
| () NA/Navajo () VL/Valencia () K | A/Kane | | | | | | |
| () CO/Coconino () BL/Bernalillo () SD/Sandoval | | | | | | | |
| () SO/Sacorro | | | | | | | |
| () RA/Rio Arriba | | | | | | | |
| () SA/San Juan | | | | | | | |
| 1616 | | | | | | | |
| . No: (7.5 min. Series) 4648 | 3 3 | | | | | | |
| . No: (7.5 min. Series) 4648 COORDINATES: X (East) 649170 Y (North) 4125095 ZO | NE 12 | | | | | | |
| | NE 12 24E | | | | | | |

This used to be called the Cush Gallery Well.

Sundry Number: 36692 API Well Number: 43037302420000 06 0020

| WITO NO: * UO.UUZU | | | | | | | |
|--|---|--|---------------------------------------|---|--|--|--|
| LAND STATUS | | | | | | | |
| K) TRUST () FEE WATERSHED NAME: | ()LEASE San Juan River | () ALLOTMENT USGS WA | () OTHER_ TERSHED CODE NO | D. 14080201 | | | |
| | CONSUMPTIVI | E WATER USE NEED | IFD FOD | | | | |
| PRIMARY: () Domestic () Municipal () Livestock () Irrigation Agriculture () Wildlife and Fish | | () Recreation: () Industrial () Mining () Commercia | al | uction | | | |
| DOMESTIC/MUNICIPAL: Number of People: | Nu | | | | | | |
| TYPE OF LIVESTOCK: | | | | | | | |
| N/A | () Horses No: () Cattle No: () Other: | | () Goats No () Sheep No: () No: | | | | |
| TYPE OF CROPS: | () Row (ie., corn) () Forage-Hay-Pastu | ine | Acres | | | | |
| N/A | () Small Grains | Fruits & Vegetables) | Acres Acres | | | | |
| TYPE OF WILDLIFE: | () Large Game | No: No: No: | () Small Gam () Birds | ne No: No: | | | |
| • | | *************************************** | | | | | |
| IF WATER IS USED FOR IN DESCRIBING SOURCE AND | | | | LY PLAN | | | |
| SEASON OF MAXIMUM US | | | | (X) Winter | | | |
| MAXIMUM RATE OF USE: | | | ** | (19 11 2222 | | | |
| EXPECTED DATE WATER | USAGE TO BEGIN: _ | 1/1/98 (renewed | 1_1/1/03) | | | | |
| EXPECTED VOLUME OF W | | | | | | | |
| METHOD OF WATER DIVERSION: () Instream Pump () Gate or Gravity Flow K) Other:pump_located_at_well | | | | | | | |
| METHOD OF WATER CON | | () Ditch () Other: | Canal (X) Pipe | line () Truck | | | |
| ATTACH AN 8 ½" X 11" MAP SHOWING EXACT LOCATION OF IDENTIFIED WATER SOURCE AND SCENARIO/LOCATION OF WHERE WATER IS TO BE USED. | | | | | | | |
| AMOUNT OF WATER: | | FLOW OR DISCHAR | | | | | |
| | GPM ()CFS | | • | () Direct) Indirect) Injection | | | |
| IS DISCHARGE TREATED IS QUALITY AFFECTED FEDERAL/UIC PERMIT: | ()YES ()N | NO IS TEMPE | RATURE AFFECTEI ERMIT NUMBER: _ | D()YES ()NO | | | |

06.0015

CONDITIONS

- 1. Purpose of definition "Department" means the Navajo Nation Department of Water Resources and "Permittee" means Resolute Natural Resources (Formerly Chevron U.S.A. Inc.) and its successors.
- 2. Permittee agrees to comply with the terms and conditions of the Water Use Permit and the Navajo Nation Water Code. Permittee understands and agrees that failure to comply with the permit shall result in forfeiture of this permit.
- 3. This permit may be revoked if:
 - A. Permittee is not in compliance with any conditions set forth in this permit.
 - B. Permittee is in violation of any provision of the Navajo Nation Water Code.
 - C. Insufficient water supplies are present for whatever reason or term.
 - D. For any other due cause as a result of negative findings from investigation that is performed by both Department and Permittee.
- 4. The total quantity of water withdrawn by the Permittee from all water supply wells in the alluvium of San Juan River for the secondary or tertiary recovery of oil shall not exceed 1,000 acre-feet in any year.
- 5. Permit is valid from January 1, 2006 through December 31, 2010 and shall expire on December 31, 2010 or at the completion of the proposed project or required water usage, whichever comes first. Permittee does not have authority to transfer, convey, or allocate the water subject to this permit to any third party or for any other to transfer, convey, or allocate the water subject to this permit to any third party or for any other project not specified herein. It is further agreed between the parties that this permit does not give the Permittee the right to haul water for hire on the Navajo Reservation, or on land subject to the jurisdiction of the Navajo Nation.
- 6. Permittee agrees to pay a water use fee of \$1,000.00 (one thousand dollars) per water supply well per year. A lump sum payment will be paid at the end of each year for anticipated water use for the coining year, beginning with 2006. Thereafter payment may be made in advance. The wate ruse fee will increase by 100.00 (on hundred dollars) per water supply well per year in the event that the average posted price for West Texas Intermediate Crude Oil exceeds \$30.00 (thirty dollars) per barrel for more than 6 (six) months in any year. The Permittee will pay the additional amount to the Department with the next payment, if the said change in posted price occurred in the previous advance payment. A credit may be given to the Permittee for the amount paid in advance, if the water use fee for similar use is lowed by the Resources Committee. No amount of money will be refunded to the Permitteee. The credited amount will be carried over to the next payment owed to the Navajo Nation. Permittee will pay the amount due in the beginning of each year to the Water Code Administration of the Department. Payment plans may be arranged between both parties in a written agreement.
- 7. Permittee agrees to provide water well development support to affected Chapters by paying directly to each Chapter \$250.00 (two hundred fifty dollars) per water well per year for wells located within each Chapter's boundaries. Permittee shall inform the Department of the payment as soon as the payment is made.
- 8. Permittee agrees to submit meter readings or other evidence showing the quantity of water withdrawn pursuant to this permit to the Water Code Administrator on a quarterly basis.
- 9. The Permittee shall monitor the effects of water use of the alluvial after by measuring static (non-pumping) water levels in a least three (3) of the water supply wells on a quarterly basis, and shall submit this water level data to the Department together with the information required in Condition 8. The Navajo Nation reserves the right to this permit due to adverse impacts on the water resources of the Navajo Nation resulting from the Permittee's activities, as determined by the Department.
- 10. The Navajo Nation may revoke this permit upon any breach by giving the Permittee notice of such revocation in writing no less than ten (10) days preior to the effective date of revocation, provided that if the Permittee remedies any such breach within said ten (10) day periods, the permit will remain in effect. Said notice shall state the grounds upon which the revocation is being made.

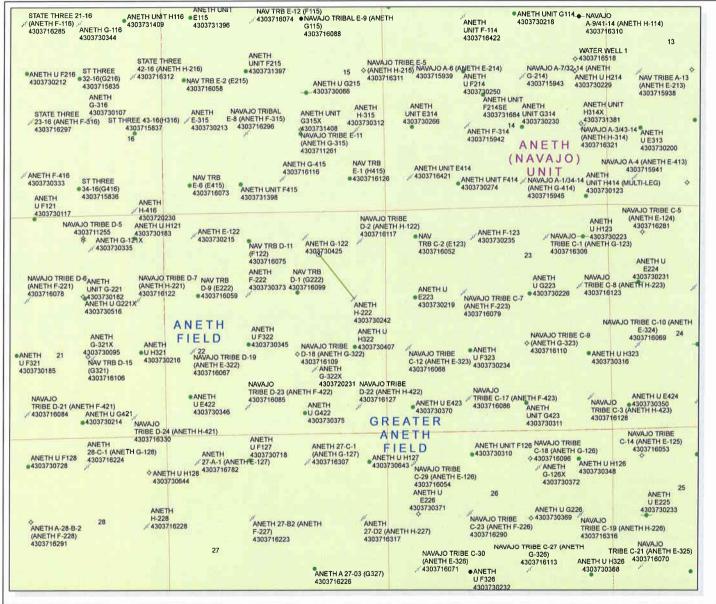
- 11. Permittee agrees to obtain a separate Water Use Permit for each point of withdrawal of water prior to making use of any additional water source.
- 12. Permittee agrees to hold harmless and indemnify the Navajo Nation against any and all losses, costs, damages, claims, expenses or other liability whatsoever, rising out of, or connected with Permittee's services under this permit including but not limited to, any accident or injury to person or property.
- 13. All disputes arising from the subject matter of this permit or the performance thereof will be settled in the Navajo Nation Courts and under the laws of the Navajo Nation. Nothing herein shall be construed as a waiver of the sovereign immunity of the Navajo Nation, pursuant to 1 N.T.C. §351 et seq.
- 14. Permittee agrees to maintain the immediate area in a safe and sanitary manner, free of unnecessary debris.
- 15. Authorization granted under this permit is only for the stated use of the indicated water source location. Permittee is responsible for obtaining any applicable permit from the appropriate department/agency that may be required for the proposed work.
- 16. If permittee hires sub-contractors to haul water covered by Water Use Permit, Permittee must notify the Navajo Water Code Administration of sub-contractors in writing.
- 17. It is agreed that the Department reserves the right to limit the quantity of water that can be taken under this permit to the above stated amount or less and will give the Permittee 30 day notice before such action is imposed. Such limitations will be imposed at the discretion of the Department.
- 18. Permittee agrees to allow reasonable entry upon their premises by Navajo Nation Employees engaged in the administration of this permit.
- 19. The Department will allow the Permittee to continue to make irrigation water available to the Whitehorse High School, Montezuma Creek, Utah, and to those local residents currently using the water for livestock usage.
- 20. In the event the Department or the Navajo Nation subsequently reduces the cost of water use permits to other oil and gas industry members, then the Department or Navajo Nation shall grant to the Permittee a credit for the amounts that it has previously paid and apply such credit to future financial obligations owed by Texaco to the Nation for water use.

21. The permit shall be renewable each year for the next 5 years under the same terms and conditions as set forth herein.

| Permittee's Signature | Date W. 23-05 |
|-------------------------------|---|
| Recommendation: (X) Yes () No | Water Code Administrator |
| Approved/Disapproved: | Technical Reviewer Date 12-29-05 Technical Reviewer Date 1-4-86 ctor, Department of Water Resources |
| If Disapproved State Reasons: | |

WORKSHEET APPLICATION FOR PERMIT TO DRILL

| APD RECEIVED: 04/12/2013 | API NO. ASS | SIGNED: 43-037 | -30242 |
|--|------------------------------|-----------------------------|----------------|
| WELL NAME: ANETH H-222 | | | |
| OPERATOR: RESOLUTE NATURAL (N2700) | PHONE NUMBER | : 303-573-4886 | 5 |
| CONTACT: SHERRY GLASS | | | |
| PROPOSED LOCATION: | INSPECT LOCA | ATN BY: / | / |
| SENE 22 400S 240E SURFACE: 2103 FNL 0783 FEL | Tech Review | Initials | Date |
| BOTTOM: 1036 FNL 1606 FEL | Engineering | | |
| COUNTY: SAN JUAN | Geology | | |
| LATITUDE: 37.29630 LONGITUDE: -109.26146 UTM SURF EASTINGS: 654093 NORTHINGS: 41291 | Surface | | |
| FIELD NAME: GREATER ANETH (365 |) | | |
| LEASE TYPE: 2 - Indian LEASE NUMBER: I-149-IND-8836 SURFACE OWNER: 2 - Indian | PROPOSED FOR COALBED METH | ANE WELL? NO | Ý |
| RECEIVED AND/OR REVIEWED: | LOCATION AND SITING | 3: | |
| Plat | R649-2-3. | | ~ |
| Bond: Fed[] Ind[2] Sta[] Fee[] | Unit: ANETH OV | | |
| (No. B001264) | R649-3-2. Ger | | |
| $\frac{N}{N}$ Potash (Y/N) N Oil Shale 190-5 (B) or 190-3 or 190-13 | | ieraı 1 Qtr/Qtr & 920' B | etween Wells |
| N Oil Shale 190-5 (B) or 190-3 or 190-13 $$ Water Permit | R649-3-3. Exc | | - Total Hollis |
| (No. 06.0019) | | | |
| RDCC Review (Y/N) | Drilling Unit Board Cause N | in. 150 7 | |
| (Date:) | Eff Date: | 10: <u>152-7</u> 4-22-19 | 98 |
| <u>MA</u> Fee Surf Agreement (Y/N) | Siting: | s Alot Sussends | |
| Intent to Commingle (Y/N) | R649-3-11. Di | rectional Dril | .1 |
| COMMENTS: | | | |
| | | | |
| | | | |
| STIPULATIONS: 1- Fectivo Z-D; 18 | approva () | | |
| · | | | |



API Number: 4303730242 Well Name: ANETH H-222

Township T40.0S Range R24.0E Section 22

Meridian: SLBM

Operator: RESOLUTE NATURAL RESOURCES

Map Prepared: Map Produced by Diana Mason









State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

April 17, 2013

Resolute Natural Resources 1675 Broadway, Ste 1950 Denver, CO 80202

Subject: Aneth H-222 Well, 2103' FNL, 783' FEL, SE NE, Sec. 22, T. 40 South, R. 24 East,

Bottom Location 1036' FNL, 1606' FEL, NW NE, Sec. 22, T. 40 South, R. 24 East,

San Juan County, Utah

Ladies and Gentlemen:

Pursuant to Utah Code Ann.§40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause: 152-7. The expected producing formation or pool is the ISMAY Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-037-30242.

Sincerely,

John Rogers

Associate Director

JR/js Enclosures

cc: San Juan County Assessor

Bureau of Land Management, Monticello Office



| Operator: | | Resolute Natural Resources | | | | |
|-------------------------------|----------------|----------------------------------|---|--|--|--|
| Well Name & Num | ber | Aneth H-222 | | | | |
| API Number: | | 43-037-30242 | | | | |
| Lease: | | I-149-IND-8836 | | | | |
| Location: Bottom Location: | SE NE NW NE | Sec. <u>22</u> Sec. <u>22</u> | T. <u>40 South</u> T. <u>40 South</u> | R. <u>24 East</u> R. <u>24 East</u> | | |

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please let a voicemail message if not available)
 OR

Submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 after office hours

3. Reporting Requirements

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging
- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

| | STATE OF UTAH DEPARTMENT OF NATURAL RESC | | | FORM 9 |
|--|---|-----------------------|--|--|
| ı | 5.LEASE DESIGNATION AND SERIAL NUMBER: I-149-IND-8836 | | | |
| SUNDR | RY NOTICES AND REPOR | TS ON V | WELLS | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO |
| | pposals to drill new wells, significa reenter plugged wells, or to drill ho n for such proposals. | | | 7.UNIT or CA AGREEMENT NAME: ANETH |
| 1. TYPE OF WELL Water Injection Well | | | | 8. WELL NAME and NUMBER: ANETH H-222 |
| 2. NAME OF OPERATOR: RESOLUTE NATURAL RESOU | IRCES | | | 9. API NUMBER: 43037302420000 |
| 3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950, | Denver, CO, 80202 | | NE NUMBER: 4-4600 Ext | 9. FIELD and POOL or WILDCAT: GREATER ANETH |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 2103 FNL 0783 FEL | | | | COUNTY: SAN JUAN |
| QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SENE Section: 2 | HIP, RANGE, MERIDIAN: 2 Township: 40.0S Range: 24.0E M | /leridian: S | | STATE: UTAH |
| 11. CHEC | K APPROPRIATE BOXES TO IND | ICATE NA | ATURE OF NOTICE, REPOR | T, OR OTHER DATA |
| TYPE OF SUBMISSION | | | TYPE OF ACTION | |
| | ACIDIZE | Па | LTER CASING | CASING REPAIR |
| NOTICE OF INTENT Approximate date work will start: | CHANGE TO PREVIOUS PLANS | ☐ c | HANGE TUBING | CHANGE WELL NAME |
| | CHANGE WELL STATUS | ☐ c | OMMINGLE PRODUCING FORMATIONS | CONVERT WELL TYPE |
| SUBSEQUENT REPORT Date of Work Completion: | ✓ DEEPEN | ☐ FF | RACTURE TREAT | New construction |
| 5/11/2013 | OPERATOR CHANGE | ☐ PI | LUG AND ABANDON | PLUG BACK |
| SPUD REPORT | PRODUCTION START OR RESUME | R | ECLAMATION OF WELL SITE | RECOMPLETE DIFFERENT FORMATION |
| Date of Spud: | REPERFORATE CURRENT FORMATION | ☐ si | DETRACK TO REPAIR WELL | TEMPORARY ABANDON |
| | TUBING REPAIR | U vi | ENT OR FLARE | WATER DISPOSAL |
| DRILLING REPORT Report Date: | WATER SHUTOFF | ☐ si | TA STATUS EXTENSION | APD EXTENSION |
| · · | WILDCAT WELL DETERMINATION | | THER | OTHER: |
| 40 DECODINE DRODOSED OD | COMPLETED OPERATIONS. Clearly si | | Control of the Contro | |
| Resolute complete completed via side | ed deepening the subject etrack on whipstock set a ' to 7034' MD. Well put b | t well oi at 5513' | n 5-6-13; well was , drilled out an OH | Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 11, 2013 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| NAME (PLEASE PRINT) Sherry Glass | PHONE NO 303 573-4886 | UMBER | TITLE Sr Regulatory Technician | |
| SIGNATURE | JUJ 373-4000 | | DATE | |
| N/A | | | 6/10/2013 | |

Sidetrack

Aneth Unit H-222

2096' FNL & 776' FEL Sec 22, T40S, R24E San Juan County, Utah API 43-037-30242

Formation Tops (KB 4,945)

 Navajo
 928'

 Chinle
 1,694'

 DeChelley
 2,832'

 Organ Rock
 2,930' (Est)

 Hermosa
 4,696'

 Ismay
 5,588'

Sidetrack Procedure (Proposed)

- 1. MIRU (04-09-2013)
- 2. Mock MIT.
- 3. Pull injection equipment.
- 4. Set CIBP (5590').
- 5. Run CBL & Csg Inspection Logs (5590' to Surface).
- 6. Set whipstock on CIBP (5554').
- 7. Mill window (5545'-5551').

 Note: Lost window mechanical failure.
- 8. Set whipstock on CIBP (5522').
- 9. Mill window (5513'-5518).
- 10.Drill 4-3/4" OH lateral from 5518' to 7034' (MD), (TVD = 5910'), BHL: 1001' FNL & 1631' FEL of Sec. 22, T40S, R24E.

 Note: Sfc Location: 2096' FNL & 776' FEL of Sec. 22, T40S, R24E

- 11. Acidize OH lateral w/ 5,000 gals of 20% HCL.
- 12.Run injection equipment.
- 13. Circulate packer fluid.
- 14.RDMOL (05-07-2013)
- 15.MIT (05-08-2013)
- 16.RWTI (05-11-2013)

AU H-222 (Sidetrack/Short Lateral)

GREATER ANETH FIELD 2096' FNL & 776' FEL SEC 22-T40S-R24E SAN JUAN COUNTY, UTAH

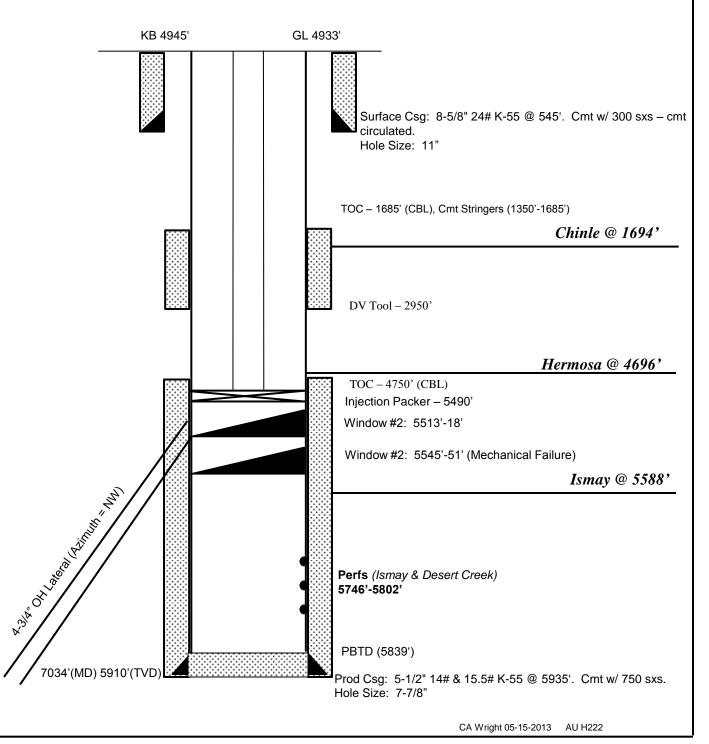
API 43-037-30242

Injector

Formation Tops

928' Navajo 1694' Chinle DeChelly 2832' Organ Rock 2930' (Est) 4696' (Est) Hermosa 5588' Ismay

Current





Daily Activity Report

Well Name: H222 Aneth Unit

| PI Number | | Section | Township | Range | Field Na | me | County | State/Province | | |
|--|---|---|---|---|---|--|---|--|--|--|
| 3037302420000 Fround Elevation (ft) | Casing Flan | 22 ge Elevation (ft) | 40S | 24E Ground Distance (f | Aneth | KB-Casing Flange Distance (ft) | San Juan Well Spud Date/Time | Utah Rig Release Date/Time | | |
| 4,926.00 | Casing Flair | ge Lievation (it) | NB-C | 12.00 | ., | NB-Casing Flange Distance (it) | 9/26/1976 00:00 | Trig Trelease Date/Time | | |
| Job Category | | Primary Jo | | | (| Secondary Job Type | | | | |
| Drilling Start Date | | End Date | - re-entry | | , | AFE Number | | | | |
| 4/8/ Objective | 2013 | | | | | | 10013701 | | | |
| • | s: sidetrack wellb | ore, drill OH | l lateral, a | cid stimulation | , install i | njection equipment, MIT & | RWTI. | | | |
| Combrastor | | | | Dia Numbe | | Dia Time | | | | |
| Contractor Key | | | | Rig Numbe | #2 | Rig Type | | | | |
| Report Start Date 2/22/2013 | Report End Date 2/22/2013 | Operations Survey L | | | | · | | | | |
| Report Start Date | Report End Date | Operations | Operations Summary | | | | | | | |
| 4/8/2013 Report Start Date | 4/8/2013 Report End Date | | Report on H-222 Capital Injector Had Lansing extent location for 24 hour rig also had Key energy test all anchors Operations Summary | | | | | | | |
| 4/9/2013 | 4/10/2013 | Move service unit to location This location is clean and open,the anchors were tested 4/13 and marked. The cath system is hook-up and on. There is also a CO2 sub station on the north west side of location and injecting. The whead is a 3000# well head with 2 7/8 tree, Tubing pressure was at 2400 psi and 0 psi on backside. Spot in lay down tanks, rig ramp and with the assist of Dawn trucking winch unit onto ramp. Finish spotting in close loop system, gabuster., pipe trailers, BOP skid, also living quarters Rig up. service unit. Crew change at 18:00 hours tail gate safe meeting with everyone on location topic was job task, using the right tool for the job, wind directions,. Rig up hard to rig pump and lines to frac tanks. pressure test casing to 1000 psi for 30 mins. (Good Test). Open well through to bleed off pressure to frac tanks. well making good amount of CO2 with readings of H2S at 70 PPM. Pump 10# establish kill weight fluid.monitor pressure for 1 hour. Rig-up Tefteller and make up 1.901 gauge ring, pressure tellubricator to 1000 psi. Run on down and tag at 5469 wire line depth. Come out and pick up 1.81 plug run on in ar Pressure test to 1000 psi (Good Test). Release pressure come and rig down wireline and move off. Nipple down head. Pick up sub with TIW valve and strip BOP stack over and nipple up.Rig up rig floor and tongs, hand rails, la Crew change at 6:00 am safety meeting with contractors on location topic was hand placement, laying down tubit tong operations, suspended loads. Had Weatherford on location to release off packer. | | | | | | | | |
| Dur | (hrs) | | | | | Comment | | | | |
| | 2.5 | 50 secure a | | ū | | | | | | |
| Report Start Date 4/10/2013 | 6.4 2.5 0.5 2.6 1.3 2.6 2.6 1.3 0.5 Report End Date 4/11/2013 | 50 rig up sei 50 crew cha wind diru 50 rig up ha 50 pressure 50 open wel 50 pump kill 50 rig up Tei 50 crew cha 50 tong ope 50 start to re 50 start to re 50 valted o 50 unit,set u 50 BOP to 1 50 to empty 50 safety me 50 work string 50 crew cha 50 and relax | equipennt rvice unit inge at 18: ctions rd lines fro test casin il through of weight flufteller and tand pick own well he floor tonginge at 6:0 rations, su elease off processing with trailer. Cheeting with ng and mad tag at 54 elease pace rubbers of the street of the | with the help 00 hours safe om pump to we g to 1000 psi thoke manifold id and shut in rig up pick up up 1.81 plug a ead and pick ue s hand rails ar 0 am safety m spended load packer ford mechanic with pipe rack and 300 low. R ange equipme a contractors of ke up BHA with 148. Lay down ker. Start out on packer. Call | ty meeting well also line for 30 mid and ble well for 1.901 gaind set comp sub wind safety leeting was and eless. The talelase contover an location hon and jt 175 and of hole ble out Teft | ng with everyone on location mes to manifold to frac tank is (good test) med off pressure in hour monitor pressure auge ring pressure test lubome out and rig down wire the TIW valve strip over BO requipment with contractors on location in the contr | oricator to 1000 psi. run on line and release | the ight tool for the job, in to 5469 wireline depth. I laying down tubing, ter to be replace on monitor. Pressure test 167 jt Tally and transfer at 18:00 hours tail gate n, picking up DP. Tally bicking up work round with 16# mud. Pull bing up and down to try safety meeting with with | | |
| Dur | (hrs) | 00 wain on \ | Veatherfo | rd service han | d | Comment | | | | |
| | 2.0 1.0 0.0 4.1 | 00 set pipe i 00 pressure 50 release o 50 lay down | rack and c test BOP off packer a production | at walk. bleed stack 1000 hig and monitors p n tubing and ta | off pressign and 3 pressure ally and to AOH we | cransfer to trailer ork string to pipe racks | | annut Prints I. 5/45/0010 | | |
| www.peloton.c | om | | | | Pag | e 1/13 | Re | eport Printed: 5/15/2013 | | |

RECEIVED: Jun. 10, 2013



Daily Activity Report

| NATU | IRAL RE | SOURCE | 15 | | | | | | | | Well Name | : H222 Aneth Un |
|-----------------------------------|---------------|---------------------------------|---|--|---|--|--|--|--|---|--|--|
| API Number 43037302420000 | | | Section | n 22 | Townshi 40S | | Range 24E | Field Nam Aneth | е | County San Jua | | State/Province Utah |
| Ground Elevation (ft) 4,926.00 | | Casing Fla | ange Elev | vation (ft) | ŀ | KB-Grour | nd Distance (ft) |) | KB-Casing Flange Distance (ft) | Well Spud D | Pate/Time 5/1976 00:00 | Rig Release Date/Time |
| Report Start Date 4/11/2013 | Report Et 4/1 | 1 5 2 1 1 | CO 1.00 tal 5.00 pid 5.00 pid 6.50 rel 1.50 ca 6.50 cre 70p 75 l 6 de 8 ao 8 de 9 do 9 to ma | ommunion lly work ck up wook up helease pall out si ew characteristics a Safet etreive left tool. Publis 16: errick. Coh dp to et CIBP own #17 rig pit, ake sur | cation, ing an orkstrir noses of acker a ickline nge at Summary y Mtg. blank pe U B/S # mud. crew chal star @ 559 76 ru til Lansine e mud | picking dally on top of and state hand state hand to feel of the control of the c | g up DP e up BHA v y and trans of TIW valv int out. shut o recovery m safety m waited for V D WL MOL 174 aoh ou sh hot shot 18:00. Unlo pack 168 jts e kelly hose mud back up, Pressur | with on an fer to pipe e and circ down be 1.81 pluge eeting with VL for 1.5. Continuit of derric unloaded 15: ld bit/ sc 590' rooh up, mad to mud ple tested 0 | culate well around with 16 cause we were swabbing | # mud back fluids v opic was J WL to Tbo mping 3 bbl wn to 5724' s. LD 6 mor ele WL rih w/ en end dow, above CIB ad to choke | work tubing up and Richard Reverse Reverse Richard Reverse Reverse Richard Reverse Rev | d down 2' shear blank plug/ tooh, LD packer/ on jts back down pump 102 jts SB in Continue tooh w ig Wright suggest to up CIBP pull lad . 16# mud out of hole y pump 180 bbl to |
| Dur | (hrs) | | | | | | | | Comment | | | |
| | | 1 3 2 1 1 0 0 | 1.50 Cr 1.50 W 3.00 Cc 2.50 PL 16 1.00 SI 1.50 LE 0.50 Cr 0.50 Ur 1.00 Cc | rew wai "L arrive continue U B/S R 5# mud. Dash h D 6 morrew cha nloaded continue cotted/ | ted for ed spott tooh which w/17 mot sho e aoh conge 18 d 15 2 7 tooh w | WL for ted/ RU aoh 874 aoh ot unloadp tooh 3:00. | 1.5 hr, J WL to Tbo packer pu out of derr ded 2 morn with 102 j h dp, 6-27 p total stan | g Rih dow umping 3 ick, pu 7 nells, 3 m ts SB in c | | , LD packer 724' total 18 r. | / on off tool. 1 jts, LD 7 jts back | k down pump 5 bbls |
| | | | se | et eot 10 |)' abov | e CIBF | 9 5577'. | | g up CIBP pull lad down # | | | |
| | | | 2.00 RI | D lines | off tbg | lay dov | wn 5 jts too | h 172 jts | nud clear up, Pressure test in derrick. w change 6:00. | ed CIBP 58 | 0 psi good, | |
| Report Start Date 4/12/2013 | Report El | | Opp Js to CI Will 300 155 de OF Strange of CI Will | erations s a Safet togethe IBP 554 hipstoc 05.72' X 52 jts oue errick ar BHO, T c shear ring not nother no der fish Double ork the | summary Mtg. y Mtg. er w/ Ci 5' rooh k/ mills O 1.26 ut of de n Total hen we anchor pulling ot set o ing too e S hot hook u | WL rih raig W n w/ Wl s, Pu Ao s, Total errick w 174 jts ent dow r re che g over, or bad o ols/ and s shot w up/ dow | w/ CIL dov right, Mesa L RD MOL. chor 2.83' BHA 358.2 / min/ half a w/ 10- hwc yn w #165 t eck 320.5, I went back casing. Roo other Whips | vn 5590' \ West, So Crew cha WS 6.24' '7' Lansin a stand, C dp WS @ ag 14.40' bull up/ do down tag bh w WL/ ttock. Cre ols, Pu fis slot an ro | W change 6.00. WL depth Log up to surface lect w WS Agree on setting ange out rotating head, Rew WM 1.45' F/M 4.75' XO 1 g dig out/ line earth pit who Crew change 18:00 Jsa sa 5537.40. PU # 165 w/ WL in @ 5551.80' an oriented own gyro final 321.98 calle @ same depth 5551.80 p gyro tool RD WL. Notified w tooh w 10 jts hwdp + 16 sh tools w/ hook. Rih w ao latated ed tbg work it for 45 | g 2nd CIBF adjusted ri- .15' 1-dp 32 le crew ate fety Mtg. Cr & Gyro too If few times d it good ar ull up again Craig W. W 4 aoh dp sta 164 + 10 I | @ 5545' 13' belog floor. SI Select of 2.22' UBHO 1.99') lunch. After tih w/ew finished tih 12. Rih with WL/ Gygot it to 322.41 capull gyro up to 50 no luck, not pullinishson D. about WS anding back in denwdp, jar, hook pu | w Csg collar, Set iil tools with KO 1.66' 10- hwdp Aoh out of derrick jts total 164 out of ro tool down to lled it good, Sat down 000', pull up on WS 1' g over string weight. In not setting. Select crick lay down mills. 165 an tag WS, |
| Dur | · (hrs) | | to CI | togethe IBP 554 | er w/ C l5' rooh | raig W n w/ WI | right, Mesa L RD MOL. | West, Se | Comment ' WL depth Log up to surfa elect w WS Agree on settin | ce, RD CIT, ng 2nd CIBF | RU CBL rih 5590 @ 5545' 13' belo | ' log up to surface got w Csg collar, Set |
| | | 1 | 1.50 Cr | ew cha | inge ou | ut rotati | ing head, R | e adjuste | ей нд поог. | | | |



Daily Activity Report

1.50 Pu Achor 2.83' WS 6.24' WM 1.45' FM 4.75' XO 1.15' 1-dp 32.22' UBHO 1.99' XO 1.66' 10- hwdp 305.72' XO 1.26,

Well Name: H222 Aneth Unit

| API Number | | Section | Township | Range | Field Name | 9 | County | | State/Province | |
|-----------------------|--------------|-------------------|----------|--------------------|------------|--------------------------------|---------------------|-----|-------------------|--|
| 43037302420000 | | 22 | 40S | 24E | Aneth | | San Juan | | Utah | |
| Ground Elevation (ft) | Casing Flang | ge Elevation (ft) | KB-Gr | ound Distance (ft) | | KB-Casing Flange Distance (ft) | Well Spud Date/Time | Rig | Release Date/Time | |
| 4,926.00 | | | | 12.00 | | | 9/26/1976 00:00 | | | |
| Dur (bre) | | | • | | | Commont | | | | |

Total BHA 358.27 1.00 Lansing dig out/ line earth pit while crew ate lunch. 2.50 After tih w/ Aoh out of derrick 152 jts out of derrick w/ min/ half a stand, 0.50 Crew change Jsa safety Mtg. Crew finished tih 12 jts total 164 out of derrick an Total 174 jts w/ 10- hwdp WS @ 5537.40. 1.00 PU # 165 w/ WL & Gyro tool. 1.00 Rih with WL/ Gyro tool down to OBHO, 1.00 Then went down w #165 tag 14.40' in @ 5551.80' an oriented few times got it to 322.41 called it good, Sat down 9k shear anchor re check 320.5, pull up/down gyro final 321.98 called it good an pull gyro up to 5000', pull up on WS 1 string not pulling over, went back down tag @ same depth 5551.80 pull up again no luck, not pulling over string weight. anchor not set or bad casing. 1.00 Rooh w WL/ gyro tool RD WL. Notified Craig W. Wilson D. about WS not setting. Select order fishing tools/ another Whipstock. 2.00 Crew tooh w 164 jts w/ 10 hwdp aoh dp standing back in derrick lay down mills. 1.00 SI Double S hot shot w/ fishing tools, Pu fish tools w/ hook. 4.50 Rih w aoh 164 + 10 hwdp, jar, hook pu 165 an tag WS, Work the hook up/down to get in slot an rotated ed tbg work it for 45 min no sign of toque tooh w 128 its no sign of drag or weight change. Crew change at 6:00. Report Start Date Report End Date 4/13/2013 4/14/2013 Jsa Safety Mtg. Crew finished tooh with aoh 36 jts got hook to surface w/ no whipstock. MU box tap, jar, xo 1 dp, ox 10hwdp 164 jts out of derrick tih pu #165 9.5' in 5551.80' tag up WS, Rotated over WS/ Work box tap up/ down pulling string weight over 10k. Tooh slowly dragging out of hole 450' lost drag, Pull out 41 stands out pull over again 25k then release an continue tooh w/ aoh pull whipstock to surface. Look at WS anchor look like never set against casing, set WS on rig floor an anchor set an measure out 5 1/8", 5 1/2" Csg ID 5.012. RD Select WS/ Mills fish tools mol. Notified Craig Wright fish out of hole, Suggest to Rih w baker set at same depth 5554'. Spotted in Baker w/ WS MU WS/ Mills. Tih with WS, 10- HWDP 164 jts dp @ 5537' w/ baker WS tools, MU #165 w/ WL & Gyro tool, Rih an set ubho started w/ gyro tool face 33.50 made 5 attempts got TF to 320, went down tag CIBP TF 319, Called Craig Wright ok to set 319 check TF one time 319 pu on wire line, Sat down 8k on achor & shear anchor check TF 317, Pull Gyro up to 5000' work string/ Whipstock up/ down 55k to 60k then sat down 30k shear bolt set whipstock, Notified Craig W. about setting @ 317. Rooh w/ WL & Gyro tool RD WL. Crew rig up 3" flex hose to gas buster, RD swivel up w/ # 165, Break Cir. Went down tag up start milling on cutting window 5543.991/ 1000 lbs. down on mill 1200 lbs torque, 1000 lbs Circulation pressure. @ 4 am finished milling whipstock slide from 5543.99 thru 5549.86' / Continue milling rat hole. finished milling rat hole from 5549. 86' thru 5555. 99' total of 6.13' of rat hole. Crew change 6:00 am. Dur (hrs) 1.00 This report is on H-222 Capital Injector Key rig #27. Jsa Safety Mtg. Crew finished tooh with aoh 36 jts got hook to surface w/ no whipstock. 6.50 MU box tap, jar, xo 1 dp, ox 10- hwdp 164 jts out of derrick tih pu #165 9.5' in 5551.80' tag up WS, Rotated over WS/ Work box tap up/ down pulling string weight over 10k. Tooh slowly dragging out of hole 450' lost drag, Pull out 41 stands out pull over again 25k then release an continue tooh w/ aoh pull whipstock to surface. 1.50 Look at WS anchor look like never set against casing, set WS on rig floor an anchor set an measure out 5 1/8", 5 1/2" Csg ID 5.012. RD Select WS/ Mills fish tools mol. Notified Craig Wright fish out of hole, Suggest to Rih w baker set at same depth 5554'. Spotted in Baker w/ WS MU WS/ Mills. 2.00 Tih with WS, 10- HWDP 164 jts dp @ 5537' w/ baker WS tools, 0.50 MU #165 w/ WL & Gyro tool, $3.00\,$ Rih an set ubho started w/ gyro tool face $33.50\,$ made $5\,$ attempts got TF to 320, went down tag CIBP TF 319, Called Craig Wright ok to set 319 check TF one time 319 pu on wire line, Sat down 8k on achor & shear anchor check TF 317, Pull Gyro up to 5000' work string/ Whipstock up/ down 55k to 60k then sat down 30k shear bolt set whipstock, Notified Craig W. about setting @ 317. Rooh w/ WL & Gyro tool RD WL.

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7.50 Break Cir. Went down tag up start milling on cutting window 5543.99'/ 1000 lbs. down on mill 1200 lbs torque, 1000 lbs Circulation pressure. @ 4 am finished milling whipstock slide from 5543.99 thru 5549.86' / Continue milling rat hole.

finished milling rat hole from 5549. 86' thru 5555. 99' total of 6.13' of rat hole. Crew change 6:00 am.

2.00 Crew rig up 3" flex hose to gas buster, RD swivel up w/ # 165

RECEIVED: Jun. 10, 2013



Daily Activity Report

Well Name: H222 Aneth Unit

| PI Number | | Section | | | Field Name | е | County | State/Province | | |
|--|-----------------------------|---|---|---|--|--|--|---|--|--|
| 3037302420000 iround Elevation (ft) | Casing | Flange Eleva | 22 40S | Z4E KB-Ground Distance (f | Aneth | KB-Casing Flange Distance (ft) | San Juan Well Spud Date/Time | Utah Rig Release Date/Time | | |
| 4,926.00 | Odoling | r larige Elevi | auon (it) | 12.00 | ', | The dusting Flaringe Distance (it) | 9/26/1976 00:00 | Trig release Bate, Time | | |
| Report Start Date | Report End Date | Оре | erations Summar | У | | | | | | |
| 4/14/2013 | 4/15/201 | loc Pu goo gan rev abo sult mo hw Pu inc 550 | k on swivel, 2.5 swivel xood. Cir. well f uge mill 1/16 vised tally/ jt cout pu tools/ oscribe 2.57/ onel, UBHO, dp total 19- h 6 jts off float lination 0.77 | RD all hose's off on hose's from 3.5 for 1 hr. RD Swive under gauge discount with Mesa Valley western Diver (31 degree dog le 8- jts aoh dp 252.04, tw/ swivel an calif Azmth 336.97. brinclination 1.80 az | 3.5 swivel to 2.5. PU l w/ #165. Cuss with I West 199 a rer arrivee gg, 1.23 flo 69', 1.66" l.26 Xo. R ber depth eak cir. sli | stiff arm's an break joint of 2.5 swivel w/ # 165 break down 25 jts on rack to 25 jt | e good slide, Swivel quit workin w/ Tbg tongs LD swivel w/ # 16 ak cir. worked whipstock slide tooch w/ 140 jts in derrick + 10 jt to LD tools mol. Moved 10 mor 19 jts on location, Safety Mtg w nange out. MU 4 3/4 bit/ 3 3/4, 7 UBHO set face tool, 1.20, Xonge 18:00, Jsa safety Mtg. Crev (good) continue rih 80 jts out of line/ gyro tool rih tag 5453' set clination 1.80 azmth 332.81, G, losing 12 bbl an getting it back | No. Down time 2 hrs, everything looks ts Hwdp, LD mills an e hwdp to pr tally // MW & Rig Crew 5L, 3.0 motor an , 31.01 monel, 30.94 w finished pu 5 more f derrick total 140 jts, in face tool 135.04, syro connection slide | | |
| Dur | (h \ | | | | | 0 | | | | |
| Dur | (1118) | 1.00 Th | is report is o | n H-222 Canital Ir | niector Key | Comment / rig #27 .Isa Safety Mtg | , Jsa safety Mtg. Crew started v | whinstock slide | | |
| | | ass | sure good sli | | orking/ Act | | vivel, RD all hose's off 3.5 swive | | | |
| | | | wn time 2 hr | | | | | | | |
| | | go | od. Cir. well f | for 1 hr | | | ak cir. worked whipstock slide | , 0 | | |
| | | gai | RD Swivel w/ #165. lay down 25 jts on rack tooh w/ 140 jts in derrick + 10 jts Hwdp, LD mills an gauge mill 1/16 under gauge discuss with Doug w/ baker, Good to go LD tools mol Moved 10 more hwdp to pr tally revised tally/ jt count with Mesa West 199 aoh dp + 20 hwdp total 219 jts on location, | | | | | | | |
| | | 0.50 Sa 1.50 We | fety Mtg w/ N estern Diverte | AW & Rig Crew all er arrived w new r | oout pu too otating he | ols/ dp. ad/ change out. | g leg, 1.23 float sub ,Subscribe | • | | |
| | | 3.00 Cre | ew change 1 | 8:00, Jsa safety N | /Itg. Crew t | finished pu 5 more hwdp | 252.69', 1.66" Xo, 15- hwdp. total 19- hwdp @ 582.04, 1.26 | | | |
| | | | | | | | u 6 jts off float w/ swivel an calil | | | |
| | | 2.50 bre 3.00 Gy bac | eak cir. slide f ro connection ck 12 bbl. Cr | from 5553' to 556 n slide 5564' to 5 ew change at 6:0 | 4' inclinations 570' inclin | on 1.80 azmth 332.81, | inclination 0.77 Azmth 336.97 return fine sand/ water, losing | | | |
| Report Start Date 4/15/2013 | Report End Date 4/16/201 | 3 Jsa roc ma dp de dei 144 2.6 Inc tha | oh w/ WL, Gy king no hole 2- monels, C gree, Re orie rrick. Crew cl 8 / swivel tag 6, slide from 6 5-13.4, Azm at point sliding | Continue Sliding ro tool lay down g, Cir. well, Lay do Dx, ubho, float sub ent mule shoe to hange 18:00, Jsa 15590' break cir. 5594' to 5625' sur 42, slide from 563 g wrong way. Noti | gyro, RD W wn 2 jts, R o, motor, b nigh side, s safety Mtg 1100 psi or vey @ 559 55' to 5644 ffied Craig | VL MOL. Continue slide fitD swivel hang back in de it. LD down motor/ Pu ne string float, ubho, MU 2- rg. Finished rih w/ 80 out on Tbg. Continue sliding 9 92' Inc. 9.4, Azm 48', slid' trying to get better read W. Jason B. about direct | uggest don't need Gyro any morom 5582' to 5590' after motor errick. Tooh w/ aoh 146 jts, Xow motor re adjust motor from 58 gits dp, ox, 19 hwdp ox of derrick total 146 on top of bh k on bit from 5589' to 5594' sure from 5625' to 5635' check shing but check shots @ 5602' In tion Azm of 43'. Suggested to push of the shot of the sh | unable to slide/ 19 jts hwdp xo 8 aoh 2.57 to 2.83 @ 34 66 jts aoh out of ia. Ru swivel/ pu 147 rvey @ 5561' Inc iots @ 5602' ic. 17.1, Azm 43` at bull back in 5 1/2 wai | | |
| Dur | (hrs) | | | | | Comment | | | | |
| | | | | | | | Continue Slidding from 5570' | to 5583', Mesa West | | |
| | | 7 | | eed Gyro any mo | | DD 14" 140' | | | | |
| | | | | • | - | own gyro, RD WL MOL. | na no hole. Cir. woll | | | |
| | | | | RD swivel hang b | | otor unable to slide/ makin rrick | ig no noie, oil. well | | | |
| | | | | • | | | no, float sub, motor, bit. LD dow | n motor | | |
| | | | | | • | 2.83 @ 34 degree | ,,,, on ED dow | | | |
| | | | | • | | • | Bjts dp, ox, 19 hwdp ox 66 jts a | oh out of derrrick. | | |
| | | 1.00 Cre | ew change 1 | 8:00, Jsa safety N | /ltg. Finish | ed rih w/ 80 out of derrick | k total 146 on top of bha. | | | |
| | | | | | | reak cir. 1100 psi on Tbg | | | | |



Daily Activity Report

Well Name: H222 Aneth Unit

| PI Number | s | | nship Range | | ield Name | County | State/Province |
|--|----------------------|---|---|--|--|--|--|
| 3037302420000 Ground Elevation (ft) | asing Flange | 22 40 e Elevation (ft) | S 24E KB-Ground Dis | | kneth KB-Casing Flange Distance | San Juan (ft) Well Spud Date/Time | Utah Rig Release Date/Time |
| 4,926.00 | | | 1 | 2.00 | | 9/26/1976 00:00 |) |
| Dur (hrs) | 7.04 | O. December 1/ ma | . 4 47, 4 40 / | | Comment | The Continue diding Obser h | it from 55001 to 55041 |
| Report Start Date Report End 4/16/2013 4/17 | 1.50 1.00 0.50 | survey @ 55 shots @ 560 17.1, Azm 43 back in 5 1/2 0 Cir. well, poo 0 Shut down w 0 Crew change Waited on or operations durited at 2 was hand pla 171 jts to 53 180 at 5642, to top of wind to 5565. Sur and lay dowr | 61' Inc 2.6, s 2' Inc13.4, A 3' at that point wait for orders. th lay down 5 ji ait for orders. at 6:00. wait in mary ders. Orders were to high wind .83. Break down accement, job to .87 Picked up .87 Picked up .89 Picked up .89 vicked up .89. | ide from zm 42, s sliding w s. sliding w s. s back to on orders were to Tods in the aventools. ask, susp 4 jts and jec o 5556. w ols were ove the v | 5590' break cir. 1100 psi on T 5594' to 5625' survey @ 558 lide from 5635' to 5644' trying rong way. Notified Craig W. 50 146 an back in csg. 5. DH with Mesa West tools Harea. After winds die down fir crew change at 18:00 tail ga ended loads, wireline operatitag top of window at 5543. Sked up Gyrodata tools . Runrith Azimuth of 347.52. 9 ft lat working properly. Discuss new window. TOH out with BHA Gam work, tripping DP, wireline | ang swivel back and start ounish TOH with tools. Check to safety meeting with all corons. Make up BHA with 4 3/8 Bide on through with out not on in and survey from surfacter with a 45% turn putting Att operations with Craig Writh a 45% turn putting Att operations with Craig Writh Crew change at 6:00 am safety | t with tools. shut down ools motor was still ntractors on location topic 4 bit, bit sub and TIH with drag. Tag bottom with 200 ft Incl zimuth at 43.32 from 5556 ght. Circulate well clean ety meeting with |
| Dur (hrs) | | | | | Comment | | |
| 24. () | 3.00 | wait on orde | ·s | | Common | | |
| | | 0 rig down pov | | hand bad | ck | | |
| | | 0 start TOH wi | | | | | |
| | | 0 waited on wi 0 finish TOH w | | | | | |
| | _ | 0 check all Me | | and brea | k down | | |
| | | | | | as hand placement, job task, | suspended loads, wireline of | perations |
| | 0.50 | 0 make up BH. | A with bit and I | oit sub | | | |
| | | 0 TIH with 171 | • | | | | |
| | | | | | in on down to 5642 and tag. | | |
| | | 0 rig up wirelin 0 run tools and | | gyrodata | TOOIS | | |
| | | 0 circulate wel | • | | | | |
| | | 0 lay down 8 jt | | ВНА | | | |
| | 0.50 | 0 crew change | at 6:00 am sa | ety meet | ing with contractors on locati | on topic was tripping DP, ton | g operations, team work |
| | | rig up wirelin | | | | | |
| Report Start Date 4/17/2013 Report End 4/18 | /2013 | and set at 55 with 5 1/2 An pup jt, 2 7/8 and 150 jt or and survey of operations, have wirelind and establish returns of me | port on Aneth 22 top of plug chor,5 1/2 whi AOH x 2 7/8 P. f DP to the depvery 1000 ft. Cight pressure lies pull up 1000 an circulation. To etal, cement, foneeting with connecting with conne | Come of pstock, 4 ac, UBHG of 534 crew chaines, kee ft. Shear and streaments of the stream of the streaments of the stre | 22 Capital Injector Key rig # 2 ut and rig down wireline Wair 3/4 window mill, 4 3/4 water 2 sub, H-90 x 2 7/8 AOH, 19 L7. Pick-up 5 jt and rig up Blunge at 18:00 hour safety meeping up with fluids, communitoff whipstock. Rig down Blunder milling out casing with pushale, Milled out to 5524. Pust on location topic was job tas | t on Baker to bring out 5 1/2 melon mill that were check for jts of heavy weight spiral DF eJet wireline on the 6 jt with thing with contractors on local cation, Orient whipstock with eJet and Gyrodata and releamp pressure at 900 psi with II-up and circulate well clean | whipstock.Make up BOH or gauge, 3 1/8 OD flex 2, 2 7/8 H-90 x AOH DP Gyrodata tools.Run on intion topic was wireline gyro tool face at 322.02. se. Rig up power swivel 4-K down with good . Crew change at 6:00 tail |
| Dur (hrs) | | | | | Comment | | |
| 24. () | 2.00 | 0 spot and rig | up wireline to s | et cibp a | | | |
| | | 0 wait on bake | | | • | | |
| | | 0 pick up 5 1/2 | | n anchor | and make up | | |
| | 1.50 | 0 crew change | and rig up wire | s safety r | ne 6 jt pick-up gyro tools and neeting with contractors on lo inication | | - |
| | 2.00 | • | • | • | ome out and release wireline | e and gyrodata | |
| | | 0 rig up power | • | | | 0 , | |
| | | • | | n and sta | rt milling on casing | | |
| | | 0 circulate well | | | | | |
| | 0.50 | 0 crew change | at 6:00 safety | meeting | with crew topic was tripping | DP, hand placement, job tas | <u>k</u> |
| www.peloton.com | | | | | Page 5/13 | | Report Printed: 5/15/2013 |



Daily Activity Report

Well Name: H222 Aneth Unit

| API Number | | Section | Township | | Range | Field Name | • | County | | State/Province | |
|-----------------------|-------------|-------------------|----------|--------|------------------|------------|--------------------------------|---------------------|-----|-------------------|--|
| 43037302420000 | | 22 | 40S | | 24E | Aneth | | San Juan | | Utah | |
| Ground Elevation (ft) | Casing Flan | ge Elevation (ft) | KE | B-Grou | nd Distance (ft) | | KB-Casing Flange Distance (ft) | Well Spud Date/Time | Rig | Release Date/Time | |
| 4,926.00 | | | | | 12.00 | | | 9/26/1976 00:00 | | | |
| | | | | | | | | | | | |

| 4,926.00 | | | | 12.00 | 9/26/1976 00:00 | | | | |
|-----------------------------|--------------|------|--|--|--|--|--|--|--|
| Dur | (hrs) | | | | Comment | | | | |
| | (-/ | 0.50 | hang back swiv | vel and start TOH with tools | | | | | |
| Report Start Date 4/18/2013 | Report E | | Operations Summar This is the repo | y ort on H-222 Capital Injector | r Key rig #27 Finish TOH with tools. Rig up Mesa west tools with 4 3/4 bit, 3 -over, 2 flex Monels, Gyrodata UBHO sub, Rig up to test motors (Good Test) | | | | |
| | | | TIH with 8 joints way in (Good To the top of sw Bring pump on tools.Replace gon line with 130 at 326.3. Slide at .74 Tool Face from 5558 to 55 | s of AOH DP, x-over and 18 rest). TIH to the depth of 548 rivel. Pick-up jt and make up line with 1000 psi at 2 bbl a gyro tools, computer, and report of the state of the sta | Bits of spiral heavy weight DP x-over and 146 jts of AOH. Test motors half 81 Change out to longer bails. Rig up swivel on jt 173 and BlueJets lubricator p gyro tools. Run on in and survey every 1000 ft. Seat for proper tool face. a min. Had no readings in gyro tool. Pull tool to check cable head and gyro e-head wireline cable. Pick up tools, run on in seat to get tool face. Put pump om 5522 to 5530Gyro up date Azimuth at 339.43 Inclination at6 Tool Face connection. Slide from 5536 to 5545 Gyro up date Azimuth at 336.3 Inclination 5558 drift up date Azimuth at 333.86 Inclination at .77 Tool Face 9.35. Slide at 332.32 Inclination at .80 Tool Face 18.56. Gryo connection. Crew change a cation topic was wireline operations, job task, teamwork Continue to slide dril | | | | |
| Dur | (hrs) | | | | Comment | | | | |
| | | 1.00 | hang back swiv | vel and lay down 5 jts | | | | | |
| | | 2.50 | TOH with BHA | | | | | | |
| | | | monels, gyro da | ata UBHO sub, 8 jts, xover, | Mesa West tools make up BHA with bit, motor, float sub, UBHO , 2 flex , 18 HWDP, xover. ttest motors | | | | |
| | | 1.50 | change out bail | ionals tools test motor half w Is and rig up power swivel or urvey every 1000 ft | way in on jt 173 rig up wireline lubricator | | | | |
| | | | | | ignal and pull tools | | | | |
| | | | set tool face bring pump on line and lost signal and pull tools check tools and cable head cre change safety meeting with contractors on location topic was wireline operations, high pressure lines, communication. | | | | | | |
| | | 3.50 | run in with wire | line seat and get tool face ki | kick on pump tp 1000 psi at 2 bbl a min tag and start drilling ahead | | | | |
| | | | | yo connection test tools for h | | | | | |
| | | 4.00 | slide drill from 5 | 5536 to 5568 | · | | | | |
| | | 0.50 | crew change at | t 6:00 am safety meeting wit | ith contractors on location topic was wireline operationss, job task, teamwork | | | | |
| Report Start Date 4/19/2013 | Report E 4/2 | | Operations Summar This is the repo Inclination 16.1 pull up wireline well clean pull u work on rig pun lines, job task, at 5630. Inclina gain.notified rig Pressure climbi out 15# mud. R kill weight fluid | of on H-222 Capital Injector R O Slide from 5583 to 5599. g for gyro connection. Slide frup and release wireline truck np. Crew change at 18:00 hc keeping and eye on fluids, c ktions at 34.1 azimuth of 32:0 operator. Pull up and monit ing up to 1400 psi. Shut in w tun mud across shakers. Op kept an eye on pressure. Cr | Key rig #27 Slide drill from 5568 to 5583 Gyro up date Azimuth at 325.25, gyro up date Azimuth at 326.40 Inclination 16.10. Circulate well clean and from 5599 to 5631 gyro up date Azimuth 325.10 Inclination 24.70. Circulate ck and gyro data. Make connection and slide from 5631 to 5644 Shut down to nours safety meeting with contractors on location topic was high pressure communication. Reestablish circulation and slide from 5644 to 5663. Survey 23.3 323.3. Slide from 5663 to 5672. when close loop hand notices an pit itor well through choke. Well unloaded with 100% LEL. good amount of CO2. well due to wind direction. Call in for kill weight fluids. Wait on trucks to haul pen well through choke and bleed of pressure down to 600 psi. Start to pump crew change at 6:00 tail gate safety meeting with crew topic was keeping and ontinue to pump kill weight fluids. | | | | |
| Dui | (1115) | 3.00 | continue to slid | e drill from 5568 to 5583 | Confinent | | | | |
| | | | circulate well cl | lean pull wireline and lay dov | own tool and test for high side slide drill from 5583 to 5644 with 10 K down returns of formation drill out 61 feet with the help og gyrodata | | | | |
| | | | crew change sa work on rig pun | | rs on location topic was high pressure lines, job task, communication | | | | |
| | | 2.00 | continue to drill | from 5644 5672. with good | d returns. a total of 28 ft with pump pressure of 1350 psi | | | | |
| | | | | • | I monitor pressure through choke shut in well due to wind direction | | | | |
| | | | | o haul mud from mud plant | • | | | | |
| | | | | • | essure starting at 1400 psi down to 600 psi welll making CO-2 | | | | |
| | | | | n mud arcoss shakers | | | | | |
| | | | | 5# mud keep and eye on pre | ressure | | | | |
| | | | | | crew topic was keeping and eye on fluids, pump pressure, job task | | | | |
| | | | - | - | | | | | |

www.peloton.com Page 6/13 Report Printed: 5/15/2013



Daily Activity Report

Well Name: H222 Aneth Unit

| 43037302420000 | : | | Township Range | Field Name | County | State/Province |
|-----------------------|-----------------|---|--|---|--|--|
| | | | 40S 24E | Aneth | San Juan | Utah |
| Ground Elevation (ft) | Casing Flang | ge Elevation (ft) | KB-Ground Distance (ft) | KB-Casing Flange Distan | ` , | Rig Release Date/Time |
| 4,926.00 | | | 12.00 | | 9/26/1976 00:00 | |
| Report Start Date | Report End Date | Operations Su | ımmary | | | |
| 4/20/2013 | 4/21/2013 | fluids. the was stuck. circulate w tank. Pump with water. 20 over an contractors 30 ft with s weight fluid BHA with 4 | hole is full and no press. The weight indicator pace rell around with P/W to treed 40 bbls down tubing Called out Select Tool had working tubing up and son location topic was swivel and lay down it and for displacement whe 43/4 bit, bit sub, 8 its of | ure. pulled up 1 jt with swive ds was not working properly. ry and get back into window. j it started to pressure up Re and while waiting replace we I down when it started to mo stay off floor when pulling on d continue to work tubing fre n TOH with BHA. Start out o | inish pumping 15.# mud. the well w I and lay it down. Swivel up on nex Call Craig and discuss next oper Waited on water truck to arrive. S elease pressure and had pumper s eight indicator pads and monitor we ve. Crew change at 18:00 safety m DP, tong operations, suspended lo be. Work BHA back in top of window of hole with BHA. Lay down Mesa V ally back in Crew change at 6:00 a ne to TIH | t jt pulled up 15 ft and ations Decided to tart filling up 400 bbl tart wagging G-122 ell. Started pull 15 to leeting with ads. Work tubing up w. Waited on kill Vest tools. Make up |
| D | (1) | | | 0 | | |
| Dur | | O finish killin | g well with 15 # mud thro | Commer | 11 | |
| | | | • | on jt 150 about 15 ft up whe | n tuhing hacama stuck | |
| | | | iter truck to haul in PW | on jt 150 about 15 it up whe | in tubing became stuck. | |
| | | | | replace weight indicator pad | le. | |
| | | | · · | | 30 ft and lay down jt with swivel | |
| | | | ge at 18:00 safety meeti | | aying of rig floor when pulling on D | P,tong operations, |
| | 3.0 | 00 continue to | work on pulling DP and | BHA back to the top of wind | dow | |
| | | | | nd run arcoss shakers for dis | | |
| | 3.5 | O TOH with I | BHA and pump displace | ment | • | |
| | 1.5 | 0 brake dow | n Mesa West tools and i | make up BHA with 4 3/4 bit a | and bit sub tally back in | |
| | | | | • | oping DP, communication, teamwo | rk |
| Report Start Date | Report End Date | Operations Su | ummary | | 30 5670' work pipe up/ down. Lansi | |
| | | pump anot H122/ G12 of Co2, H2 to FB tank on order/ n w/ mud. Ro pick up pre p/w, Lot of | ther 5 bbls total 150 bbl 22 injection wells Notified 2S, Fluid. Bled well down , blowing gas down to 0p monitor well for hour an voll the hole w/ pw 480 bb essure up to 950 psi shu | 10# brine. SWI well pressured the pumper/ Lynn Begay/ Conto 150 psi, pump another 2 sosi well dead. Crew change well started to flow. Craig W. bol to fb tank w/ some gas poot in 30 min. Lansing haul fb to to 50 h2s, LEL 4. blow down. | ated 13 & 14# mud out of well w/ 1 is 550 psi, SIW for 30 min pressure craig Wright. Open well flow back 1 00 bbl of 10# Down Tbg out Csg flugat 18:00, Crew lay down 7 jts back called roll hole w/ pw, wait for mudckets, kick out pump pressure drop to A1/ D6. Open well to fb tank flow wn 250 psi mostly gas/ very little flugations. | up to 850 psi. Went S 0# back to FB tank lo uid did not come back on cat walk. Waited lengineer to mix LCM down to 20 psi an well back unloaded |
| Dur | (hrs) | | | Commer | nt . | |
| Dui | (- / | 0 Jsa safety | Mtg. Crew finished pu la | | 30 5670' work pipe up/ down. | |
| | | 00 Lansing fir w/ 10# brir | nished load up right w/ 20 ne 145 bbls, pump anoth | 80 bbls 10# brine. Break Cir. er 5 bbls total 150 bbl 10# b | to flow back tank, Circulated 13 & rine. SWI well pressure 550 psi, Sl pumper/ Lynn Begay/ Craig Wright | W for 30 min pressure |
| | | 10# Down | Tbg out Csg fluid did no | t come back to FB tank, blo | d. Bled well down to 150 psi, pump wing gas down to 0psi well dead. | another 200 bbl of |
| | | | • | own 7 jts back on cat walk. | | |
| i . | 1.0 | 00 Waited on mix LCM v | | our an well started to flow. C | craig W. called roll hole w/ pw, wait | for mud engineer to |
| | 0.5 | | | ink w/ some gas pockets, kionin. Lansing haul fb to A1/ Documentation and bloom to gas bloom to | k out pump pressure drop down to 6. | 20 psi an pick up |
| | | • | | | | |

RECEIVED: Jun. 10, 2013



Daily Activity Report

Well Name: H222 Aneth Unit

| | | | | Well Halle: | H222 Aneth U | | | | |
|---|--|---|---|---|--|--|--|--|--|
| Section | Township Range | Field Nam | ne | County | State/Province | | | | |
| | 40S 24E | Aneth | | San Juan | Utah | | | | |
| inge Elevation (ft) | KB-Ground Distance | | KB-Casing Flange Distance (ft) | Well Spud Date/Time 9/26/1976 00:00 | Rig Release Date/Time | | | | |
| Operations S | | | | 9/20/1970 00:00 | | | | | |
| direction to sample of FW up right 100 bbls of down tbg of 100 bbl of Unloaded/ sks cedar pump psi adding vel sign of CC | to CO2 plant, SIP 450 MW 13.25# & tested ht tank. Continue to possible for Continue to possible for Continue to possible for Continue to possible for Continue fo | psi. Waite Mtg with 0 roll out 87 b 0.2# mud. Tbg 500 ps 150 bbls, fin citcl. Startec ttal 8% LCN hr, got back b hit, N seal down to 567 | d for Halliburtion Mud Engil Craig W. about mixing/ pum ibls mud to reserve tank, st Safety mtg 9 people about si pumped pressure an Co2 ially got return back at loop d adding FW to mud/ bring if to start with. Swivel up/ F s 9.8# mud return w/ no gas working slide up/ down. P 70' w/ MW 9.8#, circ. well, f | as/ fluid, H2S 30 & 50 psi SWI neer to arrive, Engineer arrive nping mud. Got back to rig, La arted to mix mud w/ 99 bbl in le pumping mud/ pressure. Start 2 on return. Blow down csg to system. Circ. 20 min, lost 30 down 10#. Added 10 sks zeog 2U 3 jts down to #176, 5546' are or CO2. Made 2 jts down 560 U #179 & 180 working slide will luid staying @ 176 bbl in loop or bbl with 13# mud down tbg or | @ 13:00. Got nsing fill up 400 bbl cop tank an added ed pumping mud 0 psi after pumping bbls, SD pump. lel, 6 sks stop hit, 3 nd break circ. w/ 500 09' #178, continue th no drag or any system, no loss or | | | | |
| | | | Comment | | | | | | |
| | • | | ctor. Key Rig # 27, Jsa safe | ety Mtg. Crew continue flowing | back well to fb tank | | | | |
| 500 psi ga | as/ fluid, H2S 30 & 50 | psi SWI do | to wind direction to Co2 pl | lant, SIP 450 psi | | | | | |
| | r Halliburtion Mud Eng | - | · | | | | | | |
| • | | • | ud/ weigh 13.25# & tested | | | | | | |
| • | Itg with Craig W. about mixing/ pumping mud. .ansing fill up 400 bbl fw in up right tanl, Continue to roll out 87 bbls mud to reserve tank, started to mix mud w/ 99 bbl | | | | | | | | |
| | nk added 100 bbls of | | | illu to reserve tarik, starteu to | mix mud w/ 99 bbi | | | | |
| • | g 9 people about pum | ŭ | | | | | | | |
| | ter pumping 100 bbl | | | mped pressure an Co2 on retu ot return back at loop system, | | | | | |
| .50 unloaded/ | materials of dash tru | ck. | | | | | | | |
| | dding fw to mud/ bring | _ | | | | | | | |
| down to # made 2 jts 180 workir | 176 5546' an break o s down 5609' #178 co ng slide with no drag | cir. w/ 500 p Intinue addi or any sign | ump psi 3 bpm, Cir. well for ng very little of zeogel, stop | total 8% LCM to start with. So r hr got back 9.8# mud return wo b hit, N seal working slide up/ c vn to 5670' w/ MW 9.8# cir. we on tooh w/ dp & bit. | v/ no gas or co2. lown, Pu #179 & | | | | |
| .50 Slug 20 bl | bl with 13# mud dowr | tbg on vac | for dry trip, Started rd swiv | vel Crew change at 6:00. | | | | | |
| well start f to top kill t well dead 172 jts 54 Ray, Engir mud down return to s hoses off t mud every motor (gor kept comn motor at s when testi Pit hand w | thed RD swivel and LI flowing. SD SWI CP tbg. Started pumping for sec. Installed stri 19'. Csg flowing @ 2 neer- Denver. Dicuss to tbg, 500 psi pump p shaker MW 9.8. Pum tbg, open pipe ram. Ty row, keep casing ful od). RIH 60 jts DP, X ming up 1700 psi to te surface (good), MWD ing. Put BHA back to vent to mud plant to g | @ 600 psi. I down tbg 8 ng float, RII 00 psi to F8 sed and agr ressure, csi p another 1 FOOH w/DF I. TOOH LI O, 18 jts hv est motor, ai checked ou gether, test et de-forme | Tbg dead, installed TIW va 500 psi, Csg 600 psi, open H w/1 jt, had kick, casing si B tank. SWI wait for orders ee w/ 10.2 MW to pump, cs g 0 psi after pumping 80 bb 0 bbls, MW 10.1, total 160 o standing back in derrick, F D bit/ sub. Well still dead, F wdp + 17 jts on hwdp, total scting like plugged hole. To tt good. BO ubho, found litt motor (good). RIH w/10 jts | bbls 9.8# mud every row. TOG alve, 9.8# mud in loop system at to FB tank. Pump 30 bbls 10.1 de 500 psi. Choke back 50%, from Engineers. New contact ag 600 psi and open to FB tank bls 10.2 mud. Pump another 71 mud pumped. Kick out pump PO 48 jts. Continue TOOH w/I PU 4 3/4 bit, motor, ubho, XO, 1 95 jts. Tested MWD tool/ moto OOH w DP/ hwdp, monels, MW tle pieces of trash, found that of s, test motor (good) but MWD in with 95 jts. Pit man came back RIH with DP. | and build up to 10.1 I mud, csg 0, tbg 0, continue RIH w/DP person Jeremy L. Pumped 10.2 D bbls, total mud well 0 psi. RD DP, pumping 10.1 flex monels. Tested r, pump pressure D tool, LD. Test didn't put screen on not reading right. | | | | |
| | | | | | | | | | |
| | | | Comment | | | | | | |
| | | | | ety Mtg. Crew finished rd swive | el an lay down 8 jts | | | | |
| .00 SD SWI C | SD SWI CP @ 600 psi, Tbg dead installed Tiw valve, 9.8# mud in loop system an build up to 10.1 to top kill tbg. Started pumping down tbg 500 psi, Csg 600 psi open to fb tank pump 30 bbls 10.1 mud csg 0, tbg 0. well dead for sec | | | | | | | | |
| flowing @ | Installed string float rih w/ 1-jt had kick casing side 500 psi choke back 50%, Continue rih w/ dp 172 jts 5419' csg flowing @ 200 psi to fb tank. | | | | | | | | |
| .00 SWI wait f | for orders from Engine | eer's. | | | | | | | |
| .00 | SD SWI C Started po Installed s flowing @ | O SD SWI CP @ 600 psi, Tbg de Started pumping down tbg 500 O Installed string float rih w/ 1-jt h flowing @ 200 psi to fb tank. | O SD SWI CP @ 600 psi, Tbg dead installed Started pumping down tbg 500 psi, Csg 60 O Installed string float rih w/ 1-jt had kick cas | O SD SWI CP @ 600 psi, Tbg dead installed Tiw valve, 9.8# mud in loo Started pumping down tbg 500 psi, Csg 600 psi open to fb tank pump D Installed string float rih w/ 1-jt had kick casing side 500 psi choke bac flowing @ 200 psi to fb tank. | Started pumping down tbg 500 psi, Csg 600 psi open to fb tank pump 30 bbls 10.1 mud csg 0, tbg 0 Installed string float rih w/ 1-jt had kick casing side 500 psi choke back 50%, Continue rih w/ dp 172 flowing @ 200 psi to fb tank. | | | | |

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Daily Activity Report

| API Number 43037302420000 | | | Section 22 | Township 40S | Range 24E | Field Name Aneth | Cour Sar | nty n Juan | State/Province Utah | | |
|-----------------------------------|----------|---------------------|---|--|--|--|--|---|--|--|--|
| Ground Elevation (ft) 4,926.00 | | Casing Flang | e Elevation (ft |) KB-G | round Distance (f | t) KB-Casing Flange D | Pistance (ft) Well S | Spud Date/Time 9/26/1976 00:00 | Rig Release Date/Time | | |
| | (hrs) | | | | | | mment | | | | |
| | | 1.0 | fb tank, l 70 total i 0 RD hose | Pumped 10. mud return to e's off Tbg o | 2 mud down o shaker MV pen pipe ram | Engineer- Denver, Dicus tbg 500 psi pump pressur 9.8 pump another 10 bb tooh w/ dp standing back 1 mud every row keep ca | e, Csg 0 psi after s MW 10.1 total 1 in derrick PO 48 | pumping 80 bbls 10. 160 mud pump, kick c jts. Crew change 18: | 2 mud pump another but pump well 0 psi. | | |
| | | 1.5 1.5 | 0 Pu 4 3/4 0 Rih 60 jt 1700 psi | bit, motor, s dp, ox, 18 to test mot | ubho, ox, flex | monel's. Tested motor (g 7 jts on hwdp total 95 jts t plug hole. | ood) | | kept comming up | | |
| | | 2.0 | 0 Test mot when tes | or at surfac sting. Put ba | e (good) mwo ack bha toget | d check out good. BO ubh her test motor (good). | · | | · | | |
| | | | crew rih dp. Crev | with 95 jts p v change 6:0 | it man came | ut mwd not reading right, F back dump de former in p | | | | | |
| Report Start Date 4/24/2013 | Report E | ind Date 25/2013 | plugged Jeremy I bit/sub, I 30 min, S Pump 12 LCM cle LD bit/su CH34MF bit CH24 | RIH with D up - trash ir Ray, agree t RIH w/DP, h SWI, wind to 20 bbls, csg ared up. M ub, PU moto RS on locati | n screen. Pre o POOH w/tb wdp down to owards CO2 0 psi. Switch esa West agr r, MU bit and on. Notified , XO, flex mo | n to 5440'm check MWD to essure up 1500 psi, went to og. KO pump RD hoses of 5611', 180 jts tbg depth of plant. Kick pump in, circ of the return to loop system and reed on mud clean, kick of I threads on bit twisted off Donnie T, Jeremy R. agree onels, tested motor- mwd to p #177, 5599' swivel up. | hru routine for ab ff tbg. TOOH w/E only. Csg started down tbg out csg. d clean out well. ut pump well deac when making up. ed on using 4 3/4 | out hour, finally plug of DP, BHA, wet pull. LD blowing gas to FB tare Csg blowing gas to I Return a lot of LCM, d. LD 8 jts on catwalk LD motor, didn't have bit CH24MRS. PU a | up down hole. Notified BHA w/motor. PU nk. Flow back well for FB tank 500 psi. made 3 poly sweeps, t, TOOH w/DP, hwdp. the another 4 3/4 bit another motor & 4 3/4 | | |
| Dur | (hrs) | | | | | | mment | | | | |
| | | 1.0 | | ne report on wd tool, mo | | apital Injector. Key Rig # 2 | ?7, Jsa safety Mtg | g. Finished rih with dp | / bha down to 5440' | | |
| | | 2.5 | 0 Put scre | | , | plug up/ trash in screen p | ressure up 1500 | psi went thru routine | for about hour finally | | |
| | | | 0 pu bit/ su min swi | Notified Jeremy Rae agree to pooh w/ tbg. KO pump rd hose's off tbg tooh w/ dp,bha. wet pull. Id bha w/ motor. bu bit/ sub rih w/ dp, hwdp down to 5611' 180 jts tbg depth only. csg started blowing gas to fb tank flow back well for 30 min swi wind towards co2 plant. Kick pump in cir down tbg out csg, Csg blowing gas to fb tank 500 psi pump 120 bbls csg 0 psi. | | | | | | | |
| | | | sweeps | lcm clear up | , Mesa West | Itg Switch return to loop s agree on mud clean, kick | out pump well de | ead. | , , | | |
| | | 3.0 | | idn't have a | | nwdp, ld bit/ sub. Pu motor bit-CH34MRS on location. | | | | | |
| | In | 3.0 | 0 Rih w/ 6 6:00 | 0 jts aoh dp | | 24MRS, ubho, xo, flex mon n w/ rest of tbg out of derri | | ,• | el up. Crew change | | |
| Report Start Date 4/25/2013 | | End Date 26/2013 | had to w 5692' Ind 5756' to | ished RU sv ork DP. Slic 550.4 Az 32 5771', slide | de from 5678 2.4. Slide from 5771' 5 | e depth tracker (good). B ' to 5693', survey @ 5660 om 5725' to 5749', rotate f 5776'. Rotate from 5776' 5 V 9.9#, Vis 48, ph 7.3, tem | Inc 43.2 Az 323 rom 5749' to 575 5788', survey @ 5 | .1. Slide from 5693' t 6', survey @ 5723' In 755' Inc 61.5 AZ 322. | o 5725', survey @ c 56.4 AZ 321.9. Slide 4. As of this morning, | | |
| Dur | (hrs) | | | | | Со | mment | | | | |
| | | | off so wo | ork pipe up/ | down got cir. | | | | 3' mule shoe packed | | |
| | | 3.7 | 5 slide from | | 725' survey | d vis 47 ph 8 130 bbl no lo @ 5692' lnc 50.4 AZ 322.4 | - | | | | |
| | | 3.7 | 5 slow dril | ling ling with god | | orque gage for aoh. haul b ne sand/ shell no h2s or c | | · | | | |
| Report Start Date 4/26/2013 | 1 ' | End Date 27/2013 | Operations | Summary | d rotate from | 5788 to 5883 | | | | | |
| www.peloton.c | | | 1 | | | Page 9/13 | | Ren | ort Printed: 5/15/2013 | | |
| | | | | | | | | | | | |



Daily Activity Report

| Pl Number 3037302420000 | S | Section | Township | Range | Field Nan | ne | County | State/Province | | | | | |
|--------------------------------------|--|-------------------------|---|-----------------------------|---------------|--|---|----------------------------|--|--|--|--|--|
| 3037302420000 ound Elevation (ft) | Casing Flange | 22 e Elevation (ft | 40S | 24E Ground Distance | Aneth | KB-Casing Flange Distance | San Juan e (ft) Well Spud Date/Time | Utah Rig Release Date/Time | | | | | |
| 4,926.00 | | | | 12.0 | 0 | | 9/26/1976 00:00 | | | | | | |
| Dur (hrs) | | O alida an | d ratata fra | m F700 to F | 000 | Commen | t | | | | | | |
| | _ | | | m 5788 to 5 | | slide from 5808 to 58 | 20 ROP at 5 ft an hour slide from | 5820 to 5881 | | | | | |
| | | | onnection pick up jt 183 and contline to slide from 5808 to 5820 ROP at 5 ft an hour slide from 5820 to 5881 ick up jt 183 and establish circulation.5818 to 5851 | | | | | | | | | | |
| | 0.50 | | nold safety meeting with all contractors on location topic was keeping and eye on all fluids and report all pit gains and oss we are 11 ft away from DC2C1A had ABS safety check all monitors | | | | | | | | | | |
| | 4.0 | | | , | 2C1A had | ABS safety check all | monitors | | | | | | |
| | | | ie to slide f | | safety meet | ing with contractors o | n location topic was high pressure | lines communication | | | | | |
| | 0.0 | | U | an eye on | , | ang war contractors t | Thousand topic was high precount | , iii ico, communication | | | | | |
| | | | e to slide to | | | | | | | | | | |
| | 1.50 | to 250 p | si open we | | noke and ve | | oipe rams and monitor pressure, ck. up mud weight to 9.9 start pun | | | | | | |
| | 4.00 | 0 continue from 588 | | nd rotate from | m 5860 to 5 | 5878. circulate well cl | ean make an connection on jt 185 | start slide drilling | | | | | |
| Donard Oland Data | | | nue to slide from 5883 to 5895 crew change at 6:00 | | | | | | | | | | |
| Report Start Date Rep 4/27/2013 | oort End Date 4/28/2013 | | | ead to targe | t Depth of | 7376 (TMD) | | | | | | | |
| Dur (hrs) | | | | | | Commen | | | | | | | |
| | | - | - | | | • | all fluids, high pressure lines, job rotating from 5914 to 5946. ron a | | | | | | |
| | | | | with jt 187 | ourvey into c | 11 70.0 712 021.0 Start | Totaling from 0014 to 0040. For a | Sarvot | | | | | |
| | 3.00 | 0 rotate fro 323.5 | om 5946 to | 5956 slide | 5956 to 59 | 968 rotate from 5968 | to 5977 with 12 K down Survy at \$ | 5944 Inc at 84.4 az a | | | | | |
| | | | | n and pick u | | | | | | | | | |
| | | | | 5983 surve | • | at 10. vist at 46. | | | | | | | |
| | | | | rom 6009 to | • | | | | | | | | |
| | | | | | | • | on topic was high pressure lines, j | ob task, teamwork | | | | | |
| | | | | | • | nc at 82.6 Az at 321.0 | | | | | | | |
| | | | | | | | Az at 321.5 rotate from 6072 to 6 | | | | | | |
| | 2.00 shut down due to swivel pull up and lay down jt 191 while working on swivel the well started to flow pressur to 400 psi open well through choke and release gas to flare stack and monitors pressure circulate gas arou mud. pull up on jt 190 to make sure we are no stuck work pipe up and down | | | | | | | | | | | | |
| | | | | | | own to 6104. make co | | | | | | | |
| Dan Data | | | | rom 6104 to | 6135. surv | rey at 6039 Inc at 83.3 | 3 Az 321.6 crew change at 6:00 | | | | | | |
| teport Start Date Rep 4/28/2013 | oort End Date 4/29/2013 | Operations Rotate to | | o for bit and | motor | | | | | | | | |
| Dur (hrs) | | 0 ==f=+= | | -IItt | | Commen | | | | | | | |
| | | - | - | | | at 6134 Inc at 83.3 A | all fluids, high pressure lines, job : z at 321 9 | ask | | | | | |
| | | | | nt to 10.2# c | , | | 2 40 02 1.0 | | | | | | |
| | | | | | | | d placement, laying down DP, cor | nmunication, job task | | | | | |
| | | | | | | oove window at 5512 | | ما دریادات کے سامانائد | | | | | |
| | | | | eep hole full | | round with 9 ddis uni | oad hotshot truck of drilling materi | ai with forklift | | | | | |
| | | | | | | topic was tripping DI | P, keeping hole full, hand placeme | nt, teamwork | | | | | |
| | | | to TOH wi | | | | | | | | | | |
| | 1.50 | | | s and break nd monels. s | | | ls. make up new (4 3/4 bit # 1333 | 195-CH34) with new | | | | | |
| | 2.00 | | ŭ | | | jts of HWDP TIH half | way to test motor | | | | | | |
| | | | | d with 10.2# | | • | • | | | | | | |
| | | | | ne top of wir | | | | | | | | | |
| | | • | | | | and to recondition wellow out lateral to 5883. | | | | | | | |
| | | | | - | - | | teral. crew change at 6:00 | | | | | | |
| | ort End Date | Operations | Summary | | | , | | | | | | | |
| 4/29/2013 Dur (hrs) | 4/30/2013 | (Continu | e to rotate | ahead to ta | rget depth | of 7051 TMD) 600 to | | | | | | | |
| Dui (III) | | 0 safety m | neeting with | | | n topic was communi | cation, high pressure lines, job tas | | | | | | |
| | | | e depth trac | | | | n start rotating from 6167 to 6198 | | | | | | |
| | | 00.5 | 200 2 | | | h good returns. | | | | | | | |



Daily Activity Report

| | | | | | | | Well Name: | H222 Aneth Ur | |
|-----------------------------------|----------------------|--|---------------------------------|-----------------------------------|------------------------|--|---|-------------------------|--|
| API Number | | Section To | wnship | Range | Field Nan | ne | County | State/Province | |
| 43037302420000 | | | 0S | 24E | Aneth | | San Juan | Utah | |
| Ground Elevation (ft) 4,926.00 | Casing Flang | ge Elevation (ft) | KB-Gro | ound Distance (f 12.00 | ft) | KB-Casing Flange Distance (ft) | Well Spud Date/Time 9/26/1976 00:00 | Rig Release Date/Time | |
| | | | | | | Comment | 3,23,1010 00.00 | | |
| Dur (hrs) | 2.5 | 50 make conne an hour | ection on | jt 195 rotate | from 619 | | c at 82.3 az 321.9 with 12 k do | wn rop at 12 to 10 ft | |
| | | | - | | | | well clean mud weight at 10.2 on fluids, communication, job | | |
| | 2.5 | to rotate thr of make conne | J | | | 62 to 6293 survy at 6260 inc | c 82.8 az 322.4 had no pit gain | or loss mud weight | |
| | | at 10.2 50 make conne | | | | · | , , | | |
| | | • | | | | ras watch all fluids, commur mud weight of 10.2 coming | nication, teamwork out and going in with vist of 45 | i. rop at 8 to 10 ft an | |
| | | 00 make conne | ection on j | , jt 200 rotate shut down p | from 635 oups well | | nc 82.1 az 322.4 an hour from 6356 to 6374 pre and circulate gas pocket arou | | |
| | | | | • | | 8 to 6419 survey at 6386 in om 6419 to 6424 crew chan | | | |
| 4/30/2013 | End Date 5/1/2013 | Operations Sun | nmary C-2C and | • | | it to Target depth of TMD of | 7047. TVD of 5912. 1400 ft of | Vertical Section | |
| Dur (hrs) | 0.5 | 50 hold safety | meeting v | with contract | tore on lo | Comment | ure lines, team work, job task | | |
| | | 00 rotate from | 6419 to 6 | 451 with 11 | k down w | | ning out and going in. pump pre | essure at 1750. | |
| | | | 3 jt with s | | | liscuss pulling tools to put seed to flow shut down and me | string in place onitor pressure and circulate g | as bubble around | |
| | | 00 finish laying 00 start out wit | | o to get back | k above w | rindow.circulate well around | to get gas around | | |
| | 0.5 | 50 crew chang DP | e at 18:00 |) safety mee | eting with | contractors on location topi | ic was keeping hole full, hand p | placement, tripping | |
| | 2.5 | 2.50 Finish TOH to 1983 install string float New BHA Directional tool, 30 jts AOH, string float, 30 jts of AOH xover and AOH | | | | | | | |
| | 2.0 | 00 finish TIH to | top of wi | indow at 55° | 12. rig up | swivel and circulate well are | well bore and circulate gas aro ound. | und | |
| | | 00 shut down p | | | | | | | |
| | | | · | | | rculate gas around ion and calibrate depth trac | cker continue to circulate crew | v change | |
| Report Start Date Report | End Date | Operations Sun | • . | 10 0+0+ b100 | ar on oarat | ion and canorate depth trac | one continue to circulate orew | onango | |
| 5/1/2013 Sur (hrs) | 5/2/2013 | Continue to | rotate ou | t to target d | epth of TI | MD of 7047', TVD of 5912', Comment | 1400' of vertical section (309' | to TD). | |
| (5) | 0.5 | 0 Crew chang | ge @ 6:00 | am, Jsa sa | fety Mtg v | | | | |
| | 4.0 | | • | | | | break down pump valves. Fou pick up off bottom of suction p | • | |
| | | 00 Slide from 6 | | | | n. ', survey @ 6452' Inc 81.7 A | Az 322. | | |
| | | 00 Rotate 6485 50 Rotate 6517 | | - | | 2 Az 321.9. 1.9 Az 322, lost 9 bbls. | | | |
| | | 0 Crew Chan | , | , | | • | | | |
| | | 50 Rotate 6548 | | • | | | | | |
| | | | | | | , Inc 81.5 Az 321.9 | ey @ 6610' Inc 81.5 Az 321.9. | | |
| | 6.0 | 00 Rotate 6643 6706'- 6738 sign of H2S | 3'- 6675', survey / pressure | survey @ 66 @ 6705' Inc | 642', Inc 8 81.9 Az | 31.7 Az 321.4. Rotate 6675 322.0. Lost 3 bbls last 6 hr | ey @ 6610 lift 61.5 AZ 521.9. b'- 6706', survey 6673' Inc 81.9 s, pump pressure 1600 psi. M rom 6738'- 6770' Crew change | ud 10.3, 48 vis. No | |
| | End Date 5/3/2013 | Operations Sun Continue to | • | de and reac | h TMD 70 | 022' + 12' rat hole, total 703 Comment | 4', TVD 5909.80', Vertical Sect | ion 1387.49. | |
| Dar (ma) | 0.5 | 0 Crew chang | ge 6:00 ar | n, Jsa safet | y mtg. | Common | | | |
| | | | | | | | | | |



Daily Activity Report

| 10110 | | | | | | | | Well Name | e: H222 Aneth | |
|--------------------------------------|----------|--------------------|-----------------------------|---|---|--------------------------|--|--|----------------------------|--|
| PI Number | | | Section | Towns | | Field Nam | ne | County | State/Province | |
| 3037302420000 ound Elevation (ft) | | Casing Fland | 22 ge Elevation (ft) | 40S | Z4E KB-Ground Distance | Aneth | KB-Casing Flange Distance (ft) | San Juan Well Spud Date/Time | Utah Rig Release Date/Time | |
| 4,926.00 | | Caomig Franç | ge Elevation (it, | | 12.00 | | The Gasting Flatinge Elstande (it) | 9/26/1976 00:00 | Trig Troicase Bate, Time | |
| Dur | (hrs) | | | | | | Comment | | | |
| | | 6.0 | lost 9 bb | l of mu | | MW 10.2# | . Continue rotate 6774'- 680 | 7 @ 6737' Inc 81.5 Az 321.1, 01' Survey @ 6768' Inc 81.9 | | |
| | | 0.5 | 0 Crew ch | ange @ | @ 18:00, Jsa safe | ety Mtg. | | 96' survey @ 6863' Inc 80.9 A | | |
| | | | 50 Survey @ | @ 6894 | · . | 2.2, Rotate | | Agitator in rig pit but no luck. 6945' rotate 6945'- 6959' Cir. | | |
| | | 3.7 | | Inc 80 | | | | 6999' slide 6999'- 7001' rota nc 80.9 Az 321.9. MDT 7022 | | |
| | | | | | | Grey color | shell return, sand Crew cha | ange @ 6:00. | | |
| eport Start Date 5/3/2013 Dur | | /4/2013 | Operations TOOH w | | • | cat walk. T | OOH AOH HWDP BHA. R | IH w/ Ph6 tail jts, packer, AC | H, set packer 5490'. | |
| | | | | | 6:00, Jsa safety M | | | | | |
| | | | | | | | ig up hole w/ swivel rotating gas bubble. build mud 10.8# | | | |
| | | | | to pu | II, Pipe stuck, Wo | | • | y Rae/ Craig Wright. Pump 4 | 10 bbls F/W an | |
| | | | | | ating swivel up th Isa safety Mtg. | ne hole slov | wly. lay down 11 jts total. | | | |
| | | | | pullin | | ipe stuck a | gain worked pipe/ pump 40 | bbls f/w still won't get free. p | oump some quick st | |
| | | 4.0 | | | y Rae finally agre f/w work pipe, pip | | | ump 130 bbl F/W well came | lowing out to fb tank | |
| | | | jts in hol | e @ 62 | 264', casing flowi | ing to fb tar | | ng for 20 jts after pipe free up | o, pull 5 more jts. 19 | |
| | | | • | | s 10.1# mud kill w w/ dp ld total 51 i | | /alk. Cir. well w/ 11.0# mud | crew change @ 6:00 am | | |
| eport Start Date 5/4/2013 | Report E | | Operations | Summai | ry | | | | | |
| 3/4/2013 Dur | | | | | | | 5.5 packer, set 5490' w/ 362 Comment | tali pipe, Filo. | | |
| | | | | ew change @ 6:00 am. Jsa safety Mtg | | | | | | |
| | | | 50 PU 1- M | lang back swivel, Tooh w/ aoh dp lay down hwdp, lay down motors, monel's 'U 1- Mule shoe, 12- ph6 362' 5 1/2" packer/ on off tool. rih w/ aoh re tally 151 jts, Pu 22 more off rack, 22' subs, \$ acker 5490' j-off packer. | | | | | | |
| | | | | | rig pit w/ fw. | | | | | |
| | | | | | casing/ packer 10 | • | mın. (gooa). ıq. Tba pressure 500 psi | | | |
| | | | 50 open to t | fb tank | | 0 psi. FB 3 | 0 01 | 2/ G122 open back to injection | on. Flow back rate | |
| eport Start Date 5/5/2013 | Report E | nd Date /6/2013 | Operations Flow bac | | • | np 80 bbls | of FW injection rate well tal | king fliud. FB well, acidize w | ell w/20% acid. | |
| Dur | | | | | • | • | Comment | | | |
| | | | 50 Flow bad 45 bbl w | ck well ell 0 ps | | Tank. Lans 10 bbl pre | | ack 480 bbl, pump 80 bbls f/ ump another 20 bbl pressure | | |
| | | | | _ | 18:00, Jsa safety w/ acid 1.5 hr | Mtg | | | | |
| | | 4.0 | flush 60 | bbl F∕\ | | cid 1455 p | si, 119 bbl 1210 psi, Flush | p 5 bbl ahead pump 5000 ga F/W 60 bbl, ISIP 705 psi, 5-r | | |
| | | | 00 2 hr SI, 00 200 psi d | on Tba | , Flow well back | 450 psi. Fl | are gas. flow back 210 bbl | Crew change 6:00 am. | | |
| eport Start Date 5/6/2013 | Report E | | Operations Finish pi | Summai cking (| ry | | | 1/2" packer, set at 5490'. La | and out and schedu | |
| Dur | (hrs) | | | | • • | | Comment | | | |
| | | | | - | | on location | n topic was communication, | high pressure lines, job task | · | |
| | | | | | | and the second | | f 100 bbls oil cut was about | F0/F0 | |



Daily Activity Report

Well Name: H222 Aneth Unit

| API Number 43037302420000 | | | Section 22 | Township 40S | Range 24E | Field Nam Aneth | 1e | County San Juan | State/Province Utah | | |
|-------------------------------|---------|--------------------|--------------------------|--|------------------------------|--------------------|---|------------------------------|------------------------------|--|--|
| Ground Elevation (ft) | | Casing Flang | e Elevation (ft) | | Fround Distance | 1 | KB-Casing Flange Distance (ft) | Well Spud Date/Time | Rig Release Date/Time | | |
| 4,926.00 | | 3 4 3 | () | | 12.00 | | 3 4 3 4 4 4 4 4 4 | 9/26/1976 00:00 | 3 | | |
| Du | r (hrs) | | | | | | Comment | | | | |
| | | 3.0 | 0 spot in ar | nd rig up Te | efteller test lu | ubricator to | 1000 psi (good test) run o | on in and set 1.81 plug at 5 | 6470 pull up and blees | | |
| | | | | _ | | | o haul out packer fluid | | | | |
| | | | • | | • | | seat properly for 30 mins | | | | |
| | | 2.5 | 0 j-off pack pressure | er and re-d | condition we | ll bore with | 130 bbls of packer and pr | essure test packer to 1000 |) psi (Good Test) relea | | |
| | | | • | • | | • | nsfer to empty trailer | | | | |
| | | | | | _ | | ors on location topic was ha | and placement, teamwork, | suspended loads, | | |
| | | | | • | | • | transfer to empty trailer | | | | |
| | | 1.5 | toque on | | slowly incre | | and prep. make up on and draulic pressure it would re | | | | |
| | | 1.5 | 0 went thro | ugh hydur | ilic system a | nd add mo | ore fluid | | | | |
| | | 4.5 | 0 start pick | ing up pro | duction tubin | g pick up ! | 95 jts transfer tubing from t | railer to pipe racks and pro | ep. | | |
| Report Start Date | | 1.0 | | ert picking up tubing crew change at 6:00 ations Summary | | | | | | | |
| 5/7/2013 | | /8/2013 | 167 jts, 5 | 1/2" nicke | I-coated Arro | owset 1-X | inless steal nipple, 1 jt of n packer set at 5490', 1 78 F 7/8" PH-6 drill pipe. This v | nipple 2 3/8" x 2 7/8" cro | ssover, 2 7/8" | | |
| Du | r (hrs) | 0.5 | 0 0-6-4 | | | | Comment | la iah taal, aanaan isatia | | | |
| | | | • | king up tub | | | n topic was slip trip and fal jt pony subs 4,6,10,and la | | | | |
| | | 0.5 | 0 pressure | test packe | r to 1000 ps | i (good tes | t) for 30 mins | | | | |
| | | 2.5 | 0 rig down | rig floor ar | nd nipple dov | vn BOP sta | ack put away. nipple up up | per tree | | | |
| | | 1.5 | | | oressure test and rig dow | | to 1000 psi run on in and see off | spear disk come out and p | ick up tool to recover | | |
| | | 1.0 | 0 start riggi | ng down e | quipment | | | | | | |
| | | | | | | perform N | IIT with NNEPA Jean Bia r | ig down truck and move of | f | | |
| | | | 0 rig down | | | | | | | | |
| | | | | - | alll equipme | | | | | | |
| Daniel Otani Data | D | | Operations S | | ch all equipm | nent | | | | | |
| Report Start Date 5/8/2013 | | nd Date /9/2013 | | | ed up and tu | ırn hack o | ver to Production. | | | | |
| | r (hrs) | 10/2010 | 11010100 | ation oldan | iou up una te | arri baon o | Comment | | | | |
| Du | , | 4.0 | take pres | sure readi | ngs and ope | n well to fr | ac tanks for 4 hours shut it | n well. | | | |
| Du | | | | | arle an unit a | nd ria num | n Pilov out to aloon aloon | loop system had Dawn ha | and are talk and the area of | | |
| Du | | 7.0 | 0 Key hand | is out to w | ork on unit a | na ng pan | ip, Kiley out to clean close | loop system had bawn he | na watch equipment. | | |

Page 13/13 Report Printed: 5/15/2013 www.peloton.com

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Resolute Natural Resources

Aneth Unit (Nad 27) Aneth Unit H222 H222 Sidetrack Sidetrack UWI: WL:

Survey: Final

Standard Survey Report

06 May, 2013



RESOLUTE NATURAL RESOURCES

Site: Aneth Unit H222 Well: H222 Sidetrack

Wellbore: Sidetrack Plan: Final

Vertical Depth (120 usft/in)

True

Ismay

LISA

LISB LISC

DC 1A

BC 1B

DC 2A

DC 2B

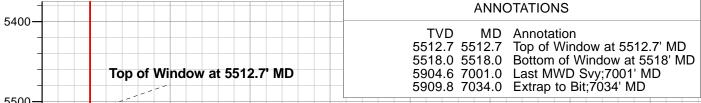
DC 2C

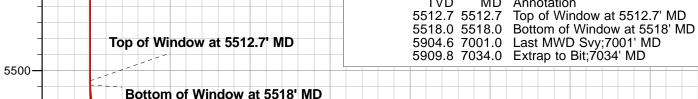
Reference Details - WELL CENTRE

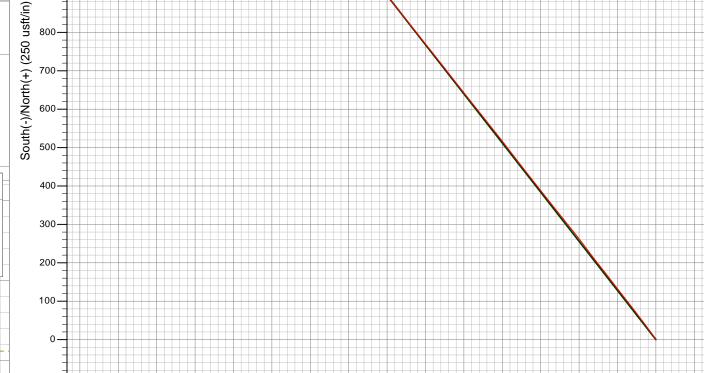
Ground Elevation: 4933.0 KB Elevation: KB @ 4945.0usft

PLAN DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Target |
|--------|-------|--------|--------|--------|---------|-------|--------|--------|--------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | • |
| 5520.0 | 0.00 | 0.00 | 5520.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 5847.3 | 82.65 | 322.00 | 5745.0 | 155.9 | -121.8 | 25.25 | 322.00 | 197.9 | |
| 6667.7 | 82.65 | 322.00 | 5850.0 | 797.1 | -622.8 | 0.00 | 0.00 | 1011.5 | |
| 7121.1 | 82.65 | 322.00 | 5908.0 | 1151.4 | -899.6 | 0.00 | 0.00 | 1461.2 | |
| 7376 0 | 77 53 | 322 00 | 5952 N | 1349 9 | -1054.7 | 2 00 | 180 00 | 1713 1 | D4 TD (H222) |





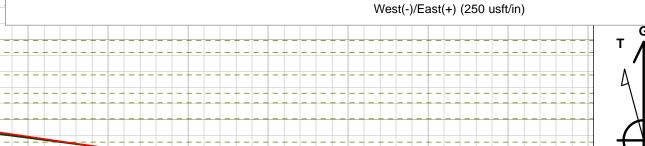


D4_TD (H222)

Extrap to Bit:7034' MD

Last MWD Svy;7001' MD

-200



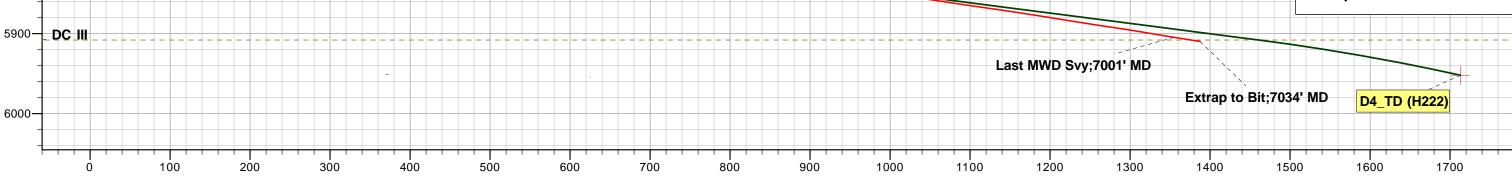
-1000

Azimuths to Grid North True North: -1.43 Magnetic North: 8.95

200

Magnetic Field Strength: 50693.6sn Dip Angle: 63.61 Date: 2/8/2013 Model: IGRF201

1800



Vertical Section at 322.00° (120 usft/in)

-1400

-1300

-1200

-1100

1400-

1300-

1200-

1100-

1000-

900-

MESAWEST

DIRECTIONAL



Mesa West Directional

Survey Report



Company: Resolute Natural Resources

Project: Aneth Unit (Nad 27)
Site: Aneth Unit H222
Well: H222 Sidetrack

Wellbore: Sidetrack

Design: Final

Geo Datum:

Local Co-ordinate Reference:

TVD Reference: KB @ 4945.0usft MD Reference: KB @ 4945.0usft

North Reference: Grid

Survey Calculation Method: Minimum Curvature

Database: EDM 5000.1 Single User Db

Project Aneth Unit (Nad 27)

Map System: US State Plane 1927 (Exact solution)

NAD 1927 (NADCON CONUS)

Map Zone: Utah Central 4302

System Datum: Mean Sea Level

usft

Using geodetic scale factor

Well H222 Sidetrack

Site Aneth Unit H222

Northing: -369,691.10 usft Site Position: Latitude: 37° 17' 46.428 N From: Lat/Long Easting: 2,651,861.48 usft Longitude: 109° 15' 39.172 W **Position Uncertainty:** 0.0 usft Slot Radius: 13-3/16 " **Grid Convergence:** 1.43°

Well H222 Sidetrack
Well Position +N/-S

+N/-S 0.0 usft **+E/-W** 0.0 usft

Northing: Easting: -369,691.10 usft 2,651,861.48 usft

Latitude: Longitude: Ground Level: 37° 17' 46.428 N 109° 15' 39.172 W

4,933.0 usft

Position Uncertainty

0.0 usft Wellh

Wellhead Elevation:

Sidetrack Wellbore Magnetics **Model Name** Sample Date Declination Dip Angle Field Strength (°) (°) (nT) IGRF2010 63.61 50,694 2/8/2013 10.39

Design Final Audit Notes: ACTUAL Version: 1.0 Phase: Tie On Depth: 0.0 Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (usft) (usft) (usft) (°) 0.0 0.0 0.0 322.00

 Survey Program
 Date
 5/6/2013

 From (usft)
 To (usft)
 Survey (Wellbore)
 Tool Name
 Description

 5,512.7
 7,034.0 Final (Sidetrack)
 MWD
 MWD - Standard

| Survey | | | | | | | | | | |
|-----------------------------|--------------------|----------------|-----------------------------|------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | Subsea (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0 | 0.00 | 0.00 | 0.0 | -4,945.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| Top of Wi | ndow at 5512. | 7' MD | | | | | | | | |
| 5,512.7 | 0.00 | 0.00 | 5,512.7 | 567.7 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| Bottom of | Window at 5 | 18' MD | | | | | | | | |
| 5,518.0 | 3.10 | 322.00 | 5,518.0 | 573.0 | 0.1 | -0.1 | 0.1 | 58.49 | 58.49 | 0.00 |
| 5,535.0 | 6.60 | 325.25 | 5,534.9 | 589.9 | 1.3 | -0.9 | 1.6 | 20.64 | 20.59 | 19.12 |
| 5,566.0 | 16.10 | 326.40 | 5,565.3 | 620.3 | 6.3 | -4.3 | 7.7 | 30.65 | 30.65 | 3.71 |
| | | | | | | | | | | |
| Ismay | | | | | | | | | | |
| 5,590.1 | 22.57 | 325.33 | 5,588.0 | 643.0 | 12.9 | -8.8 | 15.6 | 26.91 | 26.87 | -4.43 |
| 5,598.0 | 24.70 | 325.10 | 5,595.3 | 650.3 | 15.5 | -10.6 | 18.8 | 26.91 | 26.88 | -2.95 |

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Mesa West Directional

Survey Report



Resolute Natural Resources Company:

Project: Aneth Unit (Nad 27) Site: Aneth Unit H222 Well: H222 Sidetrack Wellbore: Sidetrack

Local Co-ordinate Reference:

KB @ 4945.0usft TVD Reference: MD Reference: KB @ 4945.0usft North Reference: Grid

Minimum Curvature

Well H222 Sidetrack

Survey Calculation Method: Final Database:

| Design: | Final | | | | Database: | ion wethou. | | 00.1 Single User | r Db | |
|-----------------------------|--------------------|------------------|-----------------------------|------------------|-----------------|------------------|-------------------------------|-------------------------------|------------------------------|----------------------------|
| Survey | | | | | | | | | | |
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | Subsea (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft |
| 5,630.0 | 34.10 | 323.30 | 5,623.1 | 678.1 | 28.2 | -19.8 | 34.5 | 29.50 | 29.38 | -5.63 |
| 5,660.0 | 43.20 | 323.10 | 5,646.5 | 701.5 | 43.2 | -31.0 | 53.2 | 30.34 | 30.33 | -0.67 |
| LISA | | | | | | | | | | |
| 5,674.8 | 46.53 | 322.76 | 5,657.0 | 712.0 | 51.6 | -37.3 | 63.6 | 22.56 | 22.50 | -2.33 |
| 5,692.0 | 50.40 | 322.40 | 5,668.4 | 723.4 | 61.8 | -45.2 | 76.5 | 22.56 | 22.50 | -2.07 |
| 5,723.0 | 56.40 | 321.90 | 5,686.9 | 741.9 | 81.4 | -60.4 | 101.4 | 19.40 | 19.35 | -1.61 |
| LISB | | | | | | | | | | |
| 5,750.1 | 60.72 | 322.33 | 5,701.0 | 756.0 | 99.6 | -74.6 | 124.5 | 15.99 | 15.94 | 1.57 |
| 5,755.0 | 61.50 | 322.40 | 5,703.4 | 758.4 | 103.1 | -77.2 | 128.8 | 15.99 | 15.94 | 1.49 |
| LISC | | | | | | | | | | |
| 5,782.8 | 64.45 | 322.75 | 5,716.0 | 771.0 | 122.7 | -92.3 | 153.5 | 10.68 | 10.62 | 1.25 |
| 5,787.0 | 64.90 | 322.80 | 5,717.8 | 772.8 | 125.7 | -94.6 | 157.3 | 10.68 | 10.63 | 1.22 |
| 5,818.0 | 68.20 | 322.30 | 5,730.1 | 785.1 | 148.3 | -111.9 | 185.8 | 10.75 | 10.65 | -1.61 |
| 5,850.0 | 73.70 | 321.70 | 5,740.6 | 795.6 | 172.1 | -130.5 | 216.0 | 17.28 | 17.19 | -1.88 |
| DC 1A | | | | | | | | | | |
| 5,863.0 | 75.71 | 321.62 | 5,744.0 | 799.0 | 182.0 | -138.3 | 228.5 | 15.50 | 15.48 | -0.65 |
| 5,881.0 | 78.50 | 321.50 | 5,748.0 | 803.0 | 195.7 | -149.2 | 246.1 | 15.50 | 15.48 | -0.64 |
| 5,913.0 | 83.90 | 323.10 | 5,752.9 | 807.9 | 220.7 | -168.5 | 277.7 | 17.58 | 16.88 | 5.00 |
| 5,944.0 | 84.40 | 323.50 | 5,756.1 | 811.1 | 245.5 | -186.9 | 308.5 | 2.06 | 1.61 | 1.29 |
| 5,976.0 | 82.60 | 321.40 | 5,759.7 | 814.7 | 270.7 | -206.3 | 340.3 | 8.61 | -5.63 | -6.56 |
| 6,008.0 | 82.80 | 321.00 | 5,763.8 | 818.8 | 295.4 | -226.2 | 372.0 | 1.39 | 0.63 | -1.25 |
| DC 1B | | | | | | | | | | |
| 6,034.1 | 82.97 | 321.42 | 5,767.0 | 822.0 | 315.6 | -242.4 | 398.0 | 1.73 | 0.65 | 1.61 |
| 6,039.0 | 83.00 | 321.50 | 5,767.6 | 822.6 | 319.4 | -245.5 | 402.8 | 1.73 | 0.65 | 1.61 |
| 6,071.0 | 83.10 | 321.50 | 5,771.5 | 826.5 | 344.2 | -265.2 | 434.6 | 0.31 | 0.31 | 0.00 |
| 6,102.0 | 83.30 | 321.60 | 5,775.1 | 830.1 | 368.4 | -284.4 | 465.3 | 0.72 | 0.65 | 0.32 |
| 6,134.0 | 83.00 | 321.90 | 5,779.0 | 834.0 | 393.3 | -304.0 | 497.1 | 1.32 | -0.94 | 0.94 |
| DC 1C | | | , | | | | | | | |
| 6,134.4 | 83.00 | 321.90 | 5,779.0 | 834.0 | 393.6 | -304.3 | 497.5 | 0.00 | 0.00 | 0.00 |
| 6,165.0 | 82.50 | 322.00 | 5,782.9 | 837.9 | 417.5 | -323.0 | 527.9 | 1.66 | -1.63 | 0.33 |
| 6,197.0 | 82.30 | 321.90 | 5,787.1 | 842.1 | 442.5 | -342.5 | 559.6 | 0.70 | -0.63 | -0.31 |
| 6,229.0 | 82.50 | 322.30 | 5,791.3 | 846.3 | 467.5 | -362.0 | 591.3 | 1.39 | 0.63 | 1.25 |
| 6,260.0 | 82.80 | 322.40 | 5,795.3 | 850.3 | 491.9 | -380.8 | 622.1 | 1.02 | 0.97 | 0.32 |
| DC 2A | 02.00 | 022.10 | 0,700.0 | 000.0 | | 000.0 | OLL. I | 1.02 | 0.01 | 0.02 |
| 6,288.3 | 82.18 | 322.40 | 5,799.0 | 854.0 | 514.1 | -397.9 | 650.1 | 2.19 | -2.19 | 0.00 |
| 6,292.0 | 82.10 | 322.40 | 5,799.5 | 854.5 | 517.0 | -400.2 | 652.0 | 2.10 | 2 10 | 0.00 |
| 6,323.0 | 82.10 | 322.40 321.40 | 5,799.5 5,804.0 | 859.0 | 517.0 541.1 | -400.2 -419.1 | 653.8 684.4 | 2.19 4.10 | -2.19 -2.58 | -3.23 |
| 6,355.0 | 81.30 | 321.40 | 5,804.0 5,808.7 | 863.7 | 565.9 | -419.1 -438.8 | 716.1 | 4.10 1.25 | -2.58 1.25 | -3.23 0.00 |
| 6,386.0 | 81.70 | 321.40 | 5,808.7 5,813.2 | 868.2 | 589.9 | -436.6 -458.0 | 716.1 746.8 | 0.72 | -0.65 | 0.00 |
| 6,418.0 | 81.40 | 321.50 | 5,818.0 | 873.0 | 614.6 | -436.0 -477.7 | 746.6 778.4 | 0.72 | -0.65 -0.31 | -0.31 |
| 6,452.0 | | | | | | | | | | |
| , | 81.70 | 322.00 | 5,823.0 | 878.0 | 641.0 | -498.5 518.0 | 812.0 | 1.96 | 0.88 | 1.76 |
| 6,484.0 | 82.00 | 321.90 | 5,827.5 | 882.5 | 665.9 | -518.0 | 843.7 | 0.99 | 0.94 | -0.31 |
| DC 2B | 04.00 | 204.64 | F 000 0 | 000.0 | 000.0 | F00 1 | 0.47 4 | 0.45 | 0.00 | 0.00 |
| 6,487.4 | 81.99 | 321.91 | 5,828.0 | 883.0 | 668.6 | -520.1 | 847.1 | 0.45 | -0.32 | 0.32 |
| 6,515.0 | 81.90 | 322.00 | 5,831.9 | 886.9 | 690.1 | -537.0 | 874.4 | 0.45 | -0.32 | 0.32 |

5/6/2013 8:17:32PM Page 3 COMPASS 5000.1 Build 65



Mesa West Directional

Survey Report



Company: Resolute Natural Resources

Project: Aneth Unit (Nad 27)
Site: Aneth Unit H222
Well: H222 Sidetrack
Wellbore: Sidetrack

Final

Design:

Local Co-ordinate Reference:

TVD Reference:
MD Reference:
North Reference:

Survey Calculation Method:

Well H222 Sidetrack KB @ 4945.0usft KB @ 4945.0usft

Grid

Minimum Curvature

Database: EDM 5000.1 Single User Db

| urvey | | | | | | | | | | |
|-----------------------------|--------------------|----------------|-----------------------------|------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|----------------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | Subsea (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft |
| 6,547.0 | 81.70 | 321.70 | 5,836.4 | 891.4 | 715.0 | -556.5 | 906.1 | 1.12 | -0.63 | -0.94 |
| 6,578.0 | 81.50 | 321.90 | 5,841.0 | 896.0 | 739.1 | -575.5 | 936.7 | 0.91 | -0.65 | 0.65 |
| 6,610.0 | 81.70 | 321.30 | 5,845.6 | 900.6 | 763.9 | -595.2 | 968.4 | 1.96 | 0.63 | -1.88 |
| DC 2C | | | | | | | | | | |
| 6,640.2 | 81.70 | 321.39 | 5,850.0 | 905.0 | 787.3 | -613.8 | 998.3 | 0.31 | 0.00 | 0.31 |
| 6,642.0 | 81.70 | 321.40 | 5,850.3 | 905.3 | 788.7 | -614.9 | 1,000.1 | 0.31 | 0.00 | 0.31 |
| 6,673.0 | 81.90 | 322.00 | 5,854.7 | 909.7 | 812.7 | -633.9 | 1,030.7 | 2.02 | 0.65 | 1.94 |
| 6,705.0 | 81.50 | 321.10 | 5,859.3 | 914.3 | 837.5 | -653.6 | 1,062.4 | 3.05 | -1.25 | -2.81 |
| 6,737.0 | 81.50 | 321.10 | 5,864.0 | 919.0 | 862.2 | -673.5 | 1,094.1 | 0.00 | 0.00 | 0.00 |
| 6,768.0 | 81.90 | 321.30 | 5,868.5 | 923.5 | 886.1 | -692.7 | 1,124.7 | 1.44 | 1.29 | 0.65 |
| 6,800.0 | 81.70 | 322.10 | 5,873.1 | 928.1 | 910.9 | -712.4 | 1,156.4 | 2.55 | -0.63 | 2.50 |
| 6,831.0 | 80.50 | 322.00 | 5,877.9 | 932.9 | 935.1 | -731.2 | 1,187.0 | 3.88 | -3.87 | -0.32 |
| 6,863.0 | 80.90 | 321.60 | 5,883.0 | 938.0 | 959.9 | -750.7 | 1,218.6 | 1.76 | 1.25 | -1.25 |
| 6,894.0 | 81.30 | 322.20 | 5,887.8 | 942.8 | 984.0 | -769.6 | 1,249.2 | 2.31 | 1.29 | 1.94 |
| 6,926.0 | 81.60 | 321.90 | 5,892.6 | 947.6 | 1,009.0 | -789.1 | 1,280.9 | 1.32 | 0.94 | -0.94 |
| 6,958.0 | 80.50 | 321.50 | 5,897.6 | 952.6 | 1,033.8 | -808.7 | 1,312.5 | 3.65 | -3.44 | -1.25 |
| 6,989.0 | 80.60 | 321.60 | 5,902.7 | 957.7 | 1,057.7 | -827.7 | 1,343.1 | 0.45 | 0.32 | 0.32 |
| Last MWI | Svy;7001' MD | | | | | | | | | |
| 7,001.0 | 80.90 | 321.90 | 5,904.6 | 959.6 | 1,067.0 | -835.0 | 1,354.9 | 3.51 | 2.50 | 2.50 |
| DC III | | | | | | | | | | |
| 7,022.6 | 80.90 | 321.90 | 5,908.0 | 963.0 | 1,083.8 | -848.2 | 1,376.2 | 0.00 | 0.00 | 0.00 |
| Extrap to | Bit;7034' MD | | | | | | | | | |
| 7,034.0 | 80.90 | 321.90 | 5,909.8 | 964.8 | 1,092.7 | -855.1 | 1,387.5 | 0.00 | 0.00 | 0.00 |

| Design Targets | | | | | | | | | |
|--|---------------------------|------------------------|-------------------------|--------------------------|-----------------------------|------------------------|-------------------|-----------------|-------------------|
| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| D4_TD (H222) - survey misses tar - Point | 0.00 rget center by 32 | 0.00 28.3usft at 70 | 5,952.0)34.0usft M[| 1,349.9 D (5909.8 TVD | -1,054.7), 1092.7 N, -8 | -368,340.03 55.1 E) | 2,650,805.87 | 37° 18' 0.031 N | 109° 15' 51.803 W |

RECEIVED: Jun. 10, 2013



Mesa West Directional

Survey Report



Resolute Natural Resources Company:

Aneth Unit (Nad 27) Project: Site: Aneth Unit H222 Well: H222 Sidetrack

Wellbore: Sidetrack Design: Final

Local Co-ordinate Reference:

TVD Reference: MD Reference:

North Reference:

Survey Calculation Method:

Minimum Curvature

EDM 5000.1 Single User Db Database:

Well H222 Sidetrack

KB @ 4945.0usft

KB @ 4945.0usft

Grid

| rmations | | | | |
|----------|-----------------------------|-----------------------------|--------|---|
| | Measured Depth (usft) | Vertical Depth (usft) | Name | Dip Dip Direction Lithology (°) (°) |
| | 5,590.1 | 5,588.0 | Ismay | 0.00 |
| | 5,674.8 | 5,657.0 | LISA | 0.00 |
| | 5,750.1 | 5,701.0 | LISB | 0.00 |
| | 5,782.8 | 5,716.0 | LISC | 0.00 |
| | 5,863.0 | 5,744.0 | DC 1A | 0.00 |
| | 6,034.1 | 5,767.0 | DC 1B | 0.00 |
| | 6,134.4 | 5,779.0 | DC 1C | 0.00 |
| | 6,288.3 | 5,799.0 | DC 2A | 0.00 |
| | 6,487.4 | 5,828.0 | DC 2B | 0.00 |
| | 6,640.2 | 5,850.0 | DC 2C | 0.00 |
| | 7,022.6 | 5,908.0 | DC III | 0.00 |

| Survey Annotations | | | | |
|--------------------|-------------------|-------------|------------------|------------------------------|
| Measured Depth | Vertical Depth | Local Coord | dinates +E/-W | |
| (usft) | (usft) | (usft) | (usft) | Comment |
| 5,512.7 | 5,512.7 | 0.0 | 0.0 | Top of Window at 5512.7' MD |
| 5,518.0 | 5,518.0 | 0.1 | -0.1 | Bottom of Window at 5518' MD |
| 7,001.0 | 5,904.6 | 1,067.0 | -835.0 | Last MWD Svy;7001' MD |
| 7,034.0 | 5,909.8 | 1,092.7 | -855.1 | Extrap to Bit;7034' MD |

| 1 | | |
|-------------|--------------|-------|
| Checked By: | Approved By: | Date: |

5/6/2013 8:17:32PM Page 5 COMPASS 5000.1 Build 65

RECEIVED: Jun. 10, 2013

END OF WELL REPORT



Client: Resolute Natural Resources

Well Name: Aneth Unit H222 Location: Sec.22, T40S, R24E

Job Number: 1305

Start Date: 12-Apr-13 End Date: 5-May-13

PERSONAL

Operator Personnel

Company Man:

Myron Dee, James Yellowman Geologist:

Directional Personnel

David Westbrook Shane Sligar

Survey Personnel

Ron Alexus Greg Vlaming

WELL SUMMARY

BHA 1 - Drilled F/ 5556' - 5590', 34 ft in 7.75 hrs - 4.4 ft/hr

Bit - 4 3/4" Varel insert CH34MRS with no jets . Motor is a CAVO 3.75", 5/6 lobe, 3.0 stage, 1.4 rev/gal, set at 2.57°.

While sliding motor lost all reactive torque and drilling differential pressure. Tripped BHA 1 out to inspect motor. Motor drained on surface but was making grinding noises and would lock up and let free while draining on surface.

BHA 2 - Drilled F/ 5590' - 5644', 54 ft in 5.5 hrs - 9.82 ft/hr

Bit - 4 3/4" Varel insert CH34MRS with No jets . Motor is a CAVO 3.75", 5/6 lobe, 3.0 stage, 1.4 rev/gal, set at 2.83°.

Tripped out due to coming off of whipstock @ 48° azimuth instead of 322°. On surface high side of motor was scribed to top of UBHO to insure mule shoe

didn't move from original point. Motor drained and sounded good on surface and had no visual signs of wear. Motor delivered 41 %100'.

Ran in wireline to check inc and azimuth of existing well in 200' increments to top of window. From window to end of mill depth azimuth went from 322 at top to 338 azimuth at bottom of milled depth. At the point which gyro was used to slide azimuth trended from 338 - 48 azimuth from 5556' to 5583' the point which gyro was released.

BHA 3 - Drilled F/ 5522' - 5672' , 150 ft in 11.25 hrs - 12.8 ft/hr

Bit - 4 3/4" Varel insert CH34MRS with No jets . Motor is a CAVO 3.75", 5/6 lobe, 3.0 stage, 1.4 rev/gal, set at 2.29°.

Motor delivered 26 %100' during the build section. Motor drained well and no visible signs of wear at surface. TOOH due to gas kick.

BHA 4 - Drilled F/ 5672' - 5672'

Bit - 4 3/4" Varel insert CH34MRS with No jets . Motor is a Adtech 3.75", 9/10 lobe, 3.3 stage, 1.18 rev/gal, set at 2.00°.

At shallow test pressure spiked out at 2500#. Recycled pumps and brought throttle to operating range pressure was 2500# and circulating full returns. MWD was sending bad pulses. TOOH to inspect BHA.

BHA 5 - Drilled F/ 5672' - 5672'

Bit - 4 3/4" Varel insert CH34MRS with No jets . Motor is a Adtech 3.75", 9/10 lobe, 3.3 stage, 1.18 rev/gal, set at 2.00°.

Tested motor halfway in hole and had bad pulses due to air in mud. Conditioned mud with defoamer and tool tested fine. Continued to trip in hole to top of window and proceeded to break circulation. Pressure went to normal operating pressure but began to rise. Once pump was kicked out pressure stayed at 1600# multiple times and was bled off through pump.

BHA 6 - Drilled F/ 5672' - 6167', 495ft in 68.25 hrs - 7.25 ft/hr

Bit - 4 3/4" Varel insert CH24MRS with No jets . Motor is a Adtech 3.75", 9/10 lobe, 3.3 stage, 1.18 rev/gal, set at 1.75°.

Motor averaged 18 %100' throughout the bottom half of the build section except for the Gothic Shale where it delivered 15 %100'.

POOH due to slow ROP and bit hours - motor had numerous stalls while rotating. All three cones were locked up on this bit.

BHA 7 - Drilled F/ 6167' - 7034' , 867ft in 57.75 hrs - 15 ft/hr

Bit - 4 3/4" Varel insert CH34MRS with No jets . Motor is a Adtech 3.75", 9/10 lobe, 3.3 stage, 1.18 rev/gal, set at 1.75°.

REPORT PREPARED BY:

David Westbrook

END OF WELL REPORT 2



Client: Resolute Natural Resources

Well Name: Aneth Unit H222 Location: Sec.22, T40S, R24E

Job Number: 1305

Start Date: 12-Apr-13 End Date: 5-May-13

TOTAL DEPTH

PERSONAL

Operator Personnel

Company Man:

Myron Dee, James Yellowman

RE-ENTRY

Geologist:

Directional Personnel

David Westbrook Shane Sligar **Survey Personnel**

Ron Alexus Greg Vlaming

WELL SUMMARY

KOP: 5525 TD: 7034 FEET DRLG.: 1600 **TOTAL DRLG. HRS.:** 146 AVG. ROP: 22 7 6 11.0 # DAYS: # BITS: 3 # BHA'S: NO. OF MOTORS:

Well Parameters

Leg 1 LEG 2

HOLE SIZE: 4 3/4

WHIPSTOCK SETTING: 322.18° HOLE SIZE: 4 3/4 HOLE SIZE: 4 3/4

Coordinates: MD: Coordinates: MD: 5644 Coordinates: MD: 7034

 TVD:
 TVD: 5640.64
 TVD: 5909.8

 INC:
 INC: 28.65
 INC: 80.9

DIRECTION:DIRECTION: 32DIRECTION: 321.9VERTICAL SECTION:VERTICAL SECTION: 5.47VERTICAL SECTION: 1387.49

N/S: 16.62 N/S: 1092.65 E/W: E/W: 12.39 E/W: -855.13

RE-ENTRY DATA:

TOP OF WINDOW: 5512.67 **DIRECTION:** 322.18 **BOTTOM OF WINDOW:** 5518.49 **RAT HOLE:** 7

DIRECTIONAL COMMENTS

1. Slide with gyro until the azimuths match with the MWD tool.

2. Install an auto-driller to maximize weight-on-bit and penetration rate.

3. Install a stroke counter to maximize motor performance, hole cleaning and penetration rate.

4. A PDC bit might drill faster - especially in the Desert Creek formations.

REPORT PREPARED BY: David Westbrook

STATE OF UTAH AMENDED REPORT ... FORM 8 DEPARTMENT OF NATURAL RESOURCES (highlight changes) DIVISION OF OIL, GAS AND MINING 5. LEASE DESIGNATION AND SERIAL NUMBER: 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG 1a. TYPE OF WELL: 7. UNIT or CA AGREEMENT NAME DRY OTHER b. TYPE OF WORK: 8. WELL NAME and NUMBER: DIFF. RESVR. RE-FNTRY OTHER 2. NAME OF OPERATOR: 9. API NUMBER: 3. ADDRESS OF OPERATOR: PHONE NUMBER: 10 FIELD AND POOL, OR WILDCAT CITY STATE 7IP 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 4. LOCATION OF WELL (FOOTAGES) AT SURFACE: AT TOP PRODUCING INTERVAL REPORTED BELOW: 12. COUNTY 13. STATE AT TOTAL DEPTH: UTAH 14. DATE SPUDDED: 15. DATE T.D. REACHED: 16. DATE COMPLETED: 17. ELEVATIONS (DF, RKB, RT, GL): ABANDONED READY TO PRODUCE 18. TOTAL DEPTH: MD 19. PLUG BACK T.D.: MD 21. DEPTH BRIDGE MD 20. IF MULTIPLE COMPLETIONS, HOW MANY? * PLUG SET: TVD TVD 22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) WAS WELL CORED? NO [YES (Submit analysis) WAS DST RUN? NO YES (Submit report) DIRECTIONAL SURVEY? NO YES (Submit copy) 24. CASING AND LINER RECORD (Report all strings set in well) STAGE CEMENTER CEMENT TYPE & SLURRY HOLE SIZE SIZE/GRADE WEIGHT (#/ft.) TOP (MD) BOTTOM (MD) CEMENT TOP ** AMOUNT PULLED DEPTH NO. OF SACKS VOLUME (BBL) 25. TUBING RECORD PACKER SET (MD) SIZE DEPTH SET (MD) SIZE DEPTH SET (MD) PACKER SET (MD) SIZE DEPTH SET (MD) PACKER SET (MD) 26. PRODUCING INTERVALS 27. PERFORATION RECORD FORMATION NAME TOP (MD) BOTTOM (MD) TOP (TVD) BOTTOM (TVD) INTERVAL (Top/Bot - MD) SIZE NO. HOLES PERFORATION STATUS (A) Open Squeezed (B) Open Squeezed (C) Open Squeezed (D) Open Squeezed 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND TYPE OF MATERIAL 29. ENCLOSED ATTACHMENTS: 30. WELL STATUS: DIRECTIONAL SURVEY ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT

(CONTINUED ON BACK)

OTHER:

FINAL/survey/procedure details

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION

| 31. INITIAL PRO | ODUCTION | | | | INT | ERVAL A (As sho | wn in item #26) | | | | | | |
|-----------------|--|---------------|-----------------|------------|------------------|-----------------------|-----------------------------|------|------------|----------------|---------|------|------------------------|
| DATE FIRST PR | RODUCED: | TEST DA | TE: | | HOURS TESTER | D: | TEST PRODUCTION RATES: → | N | OIL – BBL: | GAS – MCF: | WATER - | BBL: | PROD. METHOD: |
| CHOKE SIZE: | TBG. PRESS. | CSG. PR | ESS. API GF | RAVITY | BTU – GAS | GAS/OIL RATIO | 24 HR PRODUCTIO RATES: → | N | OIL – BBL: | GAS – MCF: | WATER - | BBL: | INTERVAL STATUS: |
| - | 1 | | l l | | INT | ERVAL B (As sho | wn in item #26) | | | | | | 1 |
| DATE FIRST PR | RODUCED: | TEST DA | TE: | | HOURS TESTEI | D: | TEST PRODUCTION RATES: → | N | OIL – BBL: | GAS – MCF: | WATER - | BBL: | PROD. METHOD: |
| CHOKE SIZE: | TBG. PRESS. | CSG. PR | ESS. API GF | RAVITY | BTU – GAS | GAS/OIL RATIO | 24 HR PRODUCTIO RATES: → | N | OIL – BBL: | GAS - MCF: | WATER - | BBL: | INTERVAL STATUS: |
| | | | | | INT | ERVAL C (As sho | wn in item #26) | | | | | | |
| DATE FIRST PR | RODUCED: | TEST DA | TE: | | HOURS TESTER | D: | TEST PRODUCTION RATES: → | N | OIL – BBL: | GAS – MCF: | WATER - | BBL: | PROD. METHOD: |
| CHOKE SIZE: | TBG. PRESS. | CSG. PR | ESS. API GF | RAVITY | BTU – GAS | GAS/OIL RATIO | 24 HR PRODUCTIO RATES: → | N | OIL – BBL: | GAS – MCF: | WATER - | BBL: | INTERVAL STATUS: |
| | <u>.</u> | | <u>.</u> | | INT | ERVAL D (As sho | wn in item #26) | | | <u> </u> | | | |
| DATE FIRST PR | RODUCED: | TEST DA | TE: | | HOURS TESTEI | D: | TEST PRODUCTION RATES: → | N | OIL – BBL: | GAS - MCF: | WATER - | BBL: | PROD. METHOD: |
| CHOKE SIZE: | TBG. PRESS. | CSG. PR | ESS. API GF | RAVITY | BTU – GAS | GAS/OIL RATIO | 24 HR PRODUCTIO RATES: → | N | OIL – BBL: | GAS – MCF: | WATER – | BBL: | INTERVAL STATUS: |
| 32. DISPOSITIO | ON OF GAS (Solo | l, Used for F | uel, Vented, Et | c.) | • | • | | | | • | • | | |
| 33. SUMMARY | OF POROUS ZO | NES (Includ | e Aquifers): | | | | | 34. | FORMATION | (Log) MARKERS: | | | |
| | ant zones of poros used, time tool op | | | | | n tests, including de | epth interval | | | | | | |
| Formation | on | Top (MD) | Bottom (MD) | | Descrip | otions, Contents, etc |) . | | | Name | | (| Top Measured Depth) |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 35. ADDITIONA | L REMARKS (In | clude pluggi | ing procedure) | ·· | | | • | | | | • | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 36. I hereby ce | rtify that the fore | going and a | ttached inform | ation is c | omplete and corr | ect as determined | from all available re | core | ds. | | | | |
| NAME (PLEAS | SE PRINT) | | | | | | TITLE | | | | | | |
| SIGNATURE _ | | | | | | | DATE | | | | | | |

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

^{*} ITEM 20: Show the number of completions if production is measured separately from two or more formations.

Sidetrack

Aneth Unit H-222

2096' FNL & 776' FEL Sec 22, T40S, R24E San Juan County, Utah API 43-037-30242

Formation Tops (KB 4,945)

 Navajo
 928'

 Chinle
 1,694'

 DeChelley
 2,832'

 Organ Rock
 2,930' (Est)

 Hermosa
 4,696'

 Ismay
 5,588'

Sidetrack Procedure (Proposed)

- 1. MIRU (04-09-2013)
- 2. Mock MIT.
- 3. Pull injection equipment.
- 4. Set CIBP (5590').
- 5. Run CBL & Csg Inspection Logs (5590' to Surface).
- 6. Set whipstock on CIBP (5554').
- 7. Mill window (5545'-5551').

 Note: Lost window mechanical failure.
- 8. Set whipstock on CIBP (5522').
- 9. Mill window (5513'-5518).
- 10.Drill 4-3/4" OH lateral from 5518' to 7034' (MD), (TVD = 5910'), BHL: 1001' FNL & 1631' FEL of Sec. 22, T40S, R24E.

 Note: Sfc Location: 2096' FNL & 776' FEL of Sec. 22, T40S, R24E

- 11. Acidize OH lateral w/ 5,000 gals of 20% HCL.
- 12.Run injection equipment.
- 13. Circulate packer fluid.
- 14.RDMOL (05-07-2013)
- 15.MIT (05-08-2013)
- 16.RWTI (05-11-2013)

AU H-222 (Sidetrack/Short Lateral)

GREATER ANETH FIELD 2096' FNL & 776' FEL SEC 22-T40S-R24E SAN JUAN COUNTY, UTAH

API 43-037-30242

Injector

Formation Tops

 Navajo
 928'

 Chinle
 1694'

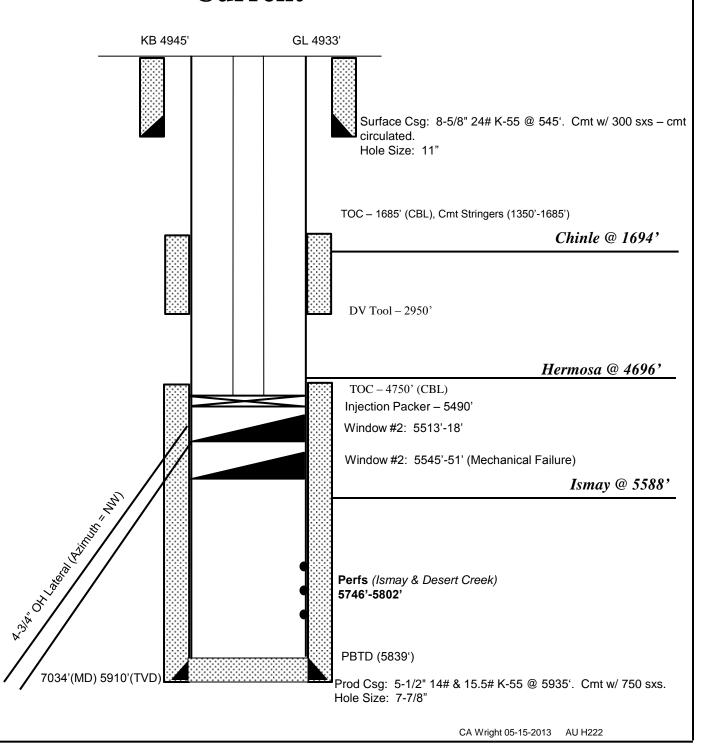
 DeChelly
 2832'

 Organ Rock
 2930' (Est)

 Hermosa
 4696' (Est)

 Ismay
 5588'

Current





Well Name: H222 Aneth Unit

| PI Number | | Section | Township | Range | Fiol | ld Nam | 20 | | County | State/Province |
|------------------------------|-----------------------------|---|--|--|--|--|---|--|---|---|
| 3037302420000 | | 22 | 40S | 24E | - 1 | neth | 10 | | San Juan | Utah |
| fround Elevation (ft) | Casing Flang | ge Elevation (ft) | KB-G | Fround Distance | ` ' | | KB-Casing Flang | ge Distance (ft) | Well Spud Date/Time | Rig Release Date/Time |
| 4,926.00 | | | | 12.0 | 00 | | | | 9/26/1976 00:00 | |
| Job Category Drilling | | Primary Jo | ob Type - re-entry | | | Se | econdary Job Type | е | | |
| Start Date | | End Date | | | | Al | FE Number | | | |
| | /2013 | | | | | | | | 10013701 | |
| Objective Job scope include | s: sidetrack wellb | ore, drill OH | Hateral, ac | cid stimulat | ion, ins | tall in | njection equipr | ment, MIT & R | RWTI. | |
| | | | · | | | | | | | |
| Contractor Key | | | | Rig Nu | ımber | #27 | , | Rig Type | | |
| Report Start Date | Report End Date | Operations | Summary | | | #21 | | | | |
| 2/22/2013 | 2/22/2013 | Survey L | | | | | | | | |
| Report Start Date 4/8/2013 | Report End Date 4/8/2013 | Operations Report o | • | apital Iniec | tor Had | Lans | sina extent loc | ation for 24 h | our rig also had Key ener | gy test all anchors |
| Report Start Date | Report End Date | Operations | Summary | | | | | | | <u> </u> |
| 4/9/2013 | 4/10/2013 | system is head is a tanks, rig buster., p meeting to rig pur to bleed establish lubricato Pressure head. Pic Crew cha | s hook-up a a 3000# we g ramp and bipe trailers with everyomp and line off pressure i kill weight or to 1000 ps e test to 100 ck up sub wange at 6:00 | and on. The Il head with with the ac s, BOP skic one on loca es to frac ta e to frac ta fluid.moni si. Run on 00 psi (Goo vith TIW va 0 am safel | ere is also he 2 7/8 ssist of di, also li di, also li di | so a (tree,] Dawr iving oic wa ressul Il makesure and ta b. Rel d strip ing wi | CO2 sub static Tubing pressurent rucking wind quarters Rig to as job task, usere test casing good amount for 1 hour. Rigus at 5469 wire ease pressures BOP stack of ith contractors | on on the norther was at 240 ch unit onto raup, service unit sing the right to 1000 psi fount of CO2 was grup Tefteller are line depth. Ce come and rigiver and nipples on location to | chors were tested 4/13 and the west side of location and psi on backside amp. Finish spotting in clost. Crew change at 18:00 hool for the job, wind director 30 mins. (Good Test). Opith readings of H2S at 70 and make up 1.901 gauge Come out and pick up 1.8° g down wireline and move the up. Rig up rig floor and to opic was hand placement lease off packer. | nd injecting. The well de. Spot in lay down se loop system, gas nours tail gate safety titions,. Rig up hard lines pen well through choke 0 PPM. Pump 10# to e ring, pressure test 1 plug run on in and set. e off. Nipple down well ongs, hand rails, ladders. |
| Dur | (hrs) | | | | | | | Comment | | |
| | | 0 secure a | | J | | | | | | |
| | | 00 move un | | | alp of D |)ouro | truokina winal | h unit on to ro | mp finish apatting in aqui | nmant |
| | | io move all io rig up se | | with the n | eip oi L | Jawn | trucking winci | n uniil on lo ra | mp finish spotting in equip | pment |
| | | . | ange at 18:0 | 00 hours s | afety m | eetin | g with everyor | ne on location | topic was job task, using | the ight tool for the job, |
| | | . | | | | | | d to frac tank.p | out on safety cables | |
| | | • | - | | | | s (good test) | • | | |
| | | • | • | | | | ed off pressure hour monitor | | | |
| | | 00 rig up Te | fteller and r | rig up pick | up 1.90 |)1 ga | uge ring pres | sure test lubri | icator to 1000 psi. run on ine and release | in to 5469 wireline depth. |
| | 2.0 | | | | - | | | - | stack and nipple up | |
| | | io rig up rig | | • | | | | p 0.10. 20. | otaon and inpple ap | |
| | 0.5 | | | | | ng wi | th contractors | on location to | opic was hand placement, | , laying down tubing, |
| | 0.5 | ٠. | rations, sus | • | ads | | | | | |
| Report Start Date | Report End Date | Operations | | аскег | | | | | | |
| 4/10/2013 | 4/11/2013 | Waited o unit,set u BOP to 1 to empty safety m work stringstring.an up and re and relax | on Weatherfup catwalk variable. One high a trailer. Cha eeting with and maked tag at 54-blease packer rubbers on | with pipe raind 300 low ange equip contractor ke up BHA 48. Lay do ker. Start con packer. (| acksT v. Relea oment over s on lood with on wn jt 17 out of ho Call out | The tuase of ver an cation and 75 and Tefte | ibing pressure ff packer and I nd move DP fi n topic was job off tool with 4 d install TIW v at shut down d eller to recover | e up to 600 ps lay down land rom trailer to lot task, hand p ft perf sub X- valve with kelli- lue to swabbir r 1.81 plug. (| ator.While waiting on star i, bleed off pressure and r ing jt 2 pup jt 8,6 ft. plus 1 pipe racks. Crew change lacement, communicatior over back to AOH. Start pey hose. Circulate well ar ng fluids back. Worked tu Crew change at 6:00 am s m work. Contline to wait of | monitor. Pressure test 167 jt Tally and transfer at 18:00 hours tail gate n, picking up DP. Tally bicking up work round with 16# mud. Pull libing up and down to try safety meeting with with |
| Dur | (hrs) | | | | | | | Comment | | |
| | | 0 wain on | | | | | (| | . de lies es | |
| | | 10 set pipe 10 pressure | | | | | ure on tubing | and monitor t | uping | |
| | | io pressure io release d | | | • | | JO IOW | | | |
| | | | • | | | | ansfer to traile | er | | |
| | 1.0 | 0 change o | over equipn | nent . trans | sfer AOI | H wo | rk string to pip | oe racks | | |
| | · | | | | | | | <u> </u> | | |

RECEIVED: May. 15, 2013



| 43037302420000 Ground Elevation (ft) Casing Flange 4,926.00 | 22 | 40S | 24E | Aneth | | San Juan | Utah |
|--|---|--|--|---|---|--|---|
| | | | ound Distance (| I | KB-Casing Flange Distanc | e (ft) Well Spud Date/Time | Rig Release Date/Time |
| 4,920.00 Dur (hrs) | | | 12.00 | | Comment | 9/26/1976 00:00 | |
| 0.50 1.00 5.00 2.50 1.50 | communic) tally workin) pick up wo) hook up ho) release pa) call out slid | ation, picking and ma orkstring ta oses on top ocker and s ockline hand ge at 6:00 | ing up DP ake up BHA ally and trans o of TIW val start out. shu d to recovery | with on and sfer to pipe ve and circu at down bec y 1.81 plug | with contractors on l off tool with 4 ft per racks. ulate well around wi | location topic was hand placemer rf sub,x-over back to AOH th 16# mud bbing back fluids work tubing up an | |
| 4/11/2013 4/12/2013 | Jsa Safety Retreive b off tool. PL 5 bbls 16# derrick. Cr aoh dp tota set CIBP (down #176 to rig pit, L make sure | Mtg. Crew lank plug, J B/S Rih v mud. SI D ew change al standing @ 5590', S 6 ru tiw val- ansing hau mud clear | RD WL MOI w/174 aoh o pash hot sho e 18:00. Unli j back 168 jt et CIBP @ { ve kelly hos ul mud back | L. Continue ut of derrick tunloaded oaded 15 2 is ld bit/ scra5590' rooh ve up, made to mud plare tested C | tooh w/ aoh & pack k, pu 7 jts off pipe ra 2 mornells, 3 mud r 7/8" aoh dp, 6- 2 7/ grann spotted/ RU B w/ WL RD. Rih w/ ac back up #176 set e nt. Lot of Co2 on rei IBP 580 psi good, R | ed/ RU WL to Tbg Rih down to 54: ter pumping 3 bbls every row whe ck down to 5724' total 181 jts, LD notors. LD 6 more ach dp toch wir 8" H-90 spiral dp off hot shot traile slue Jet WL rih w/ CIBP notified Cr bh open end down 176 jts 5587' ta ot 10' above CIBP 5577'. Pump C turn had to choke back pump slow CD lines off tbg lay down 5 jts toch | en tooh, LD packer/ on 7 jts back down pump th 102 jts SB in er. Continue tooh w arig Wright suggest to g up CIBP pull lad ir. 16# mud out of hole ly pump 180 bbl to |
| Dur (hrs) | <u></u> | | | | Comment | | |
| | | | | njector Key | rig #27. Jsa Safety | Mtg. | |
| | Crew waite | | | a Pih dawr | to 5442' shear blac | nk plug/ Retreive blank plug, RD V | WL MOL |
| | | • | | • | | n tooh, LD packer/ on off tool. | VL IVIOL |
| | | | | | • | n to 5724' total 181 jts, LD 7 jts bad | ck down pump 5 bbls |
| 1.50 0.50 |) SI Dash ho) LD 6 more) Crew char | aoh dp togge 18:00. | oh with 102 | jts SB in de | errick. | | |
| | | | | | piral dp off hot shot | | |
| | | | • | J | 168 jts ld bit/ scrape d Craig Wright sugg | er. lest to set CIBP @ 5590', Set CIB | P @ 5590' rooh w/ WL |
| | set eot 10' | above CIE | BP 5577'. | | | own #176 ru tiw valve kelly hose u | |
| |) Pump Cir. pump slow) RD lines o | ly pump 1 | 80 bbl to ma | ake sure mu | ıd clear up, Pressur | to mud plant. Lot of Co2 on retur e tested CIBP 580 psi good, | n had to choke back |
| | | 0 , | , | , | change 6:00. | | |
| Report Start Date 4/12/2013 Report End Date 4/13/2013 | Operations St. Jsa Safety to together CIBP 5545 Whipstock 305.72' XC 152 jts out derrick an OBHO, The 9k shear a string not panchor not order fishin SI Double Work the h | Immary Mtg. WL r r w/ Craig \ of rooh w/ v / mills, Pu D 1.26, Tota of derrick Total 174 j en went do inchor re cloulling ove t set or bac ng tools/ an S hot shot hook up/ do | ih w/ CIL do Wright, Mes VL RD MOL Achor 2.83' al BHA 358. w/ min/ half ts w/ 10- hw whom w #165 heck 320.5, r, went back d casing. Ro nother Whip w/ fishing to | wn 5590' Wa West, Sel a West, Sel Crew chan VS 6.24' 27' Lansing a stand, Cr vdp WS @ { tag 14.40' i pull up/ dov c down tag (poh w WL/ g stock. Crew pools, Pu fish a slot an rot | /L depth Log up to sect w WS Agree on nge out rotating hea WM 1.45' F/M 4.75' dig out/ line earth prew change 18:00 Js 5537.40. PU # 165 vom @ 5551.80' an ori wn gyro final 321.98 @ same depth 5551 yro tool RD WL. Now tooh w 10 jts hwdp n tools w/ hook. Rih | surface, RD CIL, RU CBL rih 5590 setting 2nd CIBP @ 5545' 13' bel id, Re adjusted rig floor. SI Select XO 1.15' 1-dp 32.22' UBHO 1.99' bit while crew ate lunch. After tih was a safety Mtg. Crew finished tih 12 w/ WL & Gyro tool. Rih with WL/ Giented few times got it to 322.41 control of a called it good an pull gyro up to 50.80 pull up again no luck, not pulli tified Craig W. Wilson D. about Woley 164 aoh dp standing back in de was and 164 + 10 hwdp, jar, hook pror 45 min no sign of toque tooh w | ow Csg collar, Set oil tools with XO 1.66' 10- hwdp / Aoh out of derrick 2 jts total 164 out of yro tool down to alled it good, Sat down 6000', pull up on WS 1' ng over string weight. S not setting. Select errick lay down mills. u 165 an tag WS, |
| Dur (hrs) |) . Jsa Safet | tv Mta. WI | rih w/ CIL d | lown 5590' | Comment WL depth Log up to | surface, RD CIT, RU CBL rih 559 | 0' log up to surface got |
| | to together | r w/ Craig \ 5' rooh w/ \ | Wright, Mes VL RD MOL | a West, Sel | ect w WS Agree on | setting 2nd CIBP @ 5545' 13' bel | |



Well Name: H222 Aneth Unit

| API Number | | Section | Townshi | р | Range | Field Name | | County | State/Province | |
|-----------------------|--------------|-------------------|---------|---------|-------------------|------------|--------------------------------|---------------------|-----------------------|--|
| 43037302420000 | | 22 | 40S | | 24E | Aneth | | San Juan | Utah | |
| Ground Elevation (ft) | Casing Flang | ge Elevation (ft) | ŀ | KB-Grou | ind Distance (ft) | | KB-Casing Flange Distance (ft) | Well Spud Date/Time | Rig Release Date/Time | |
| 4,926.00 | | | | | 12.00 | | | 9/26/1976 00:00 | | |

Dur (hrs) 1.50 Pu Achor 2.83' WS 6.24' WM 1.45' FM 4.75' XO 1.15' 1-dp 32.22' UBHO 1.99' XO 1.66' 10- hwdp 305.72' XO 1.26, Total BHA 358.27 1.00 Lansing dig out/ line earth pit while crew ate lunch. 2.50 After tih w/ Aoh out of derrick 152 its out of derrick w/ min/ half a stand, 0.50 Crew change Jsa safety Mtg. Crew finished tih 12 jts total 164 out of derrick an Total 174 jts w/ 10- hwdp WS @ 5537.40. 1.00 PU # 165 w/ WL & Gyro tool. 1.00 Rih with WL/ Gyro tool down to OBHO, 1.00 Then went down w #165 tag 14.40' in @ 5551.80' an oriented few times got it to 322.41 called it good, Sat down 9k shear anchor re check 320.5, pull up/down gyro final 321.98 called it good an pull gyro up to 5000', pull up on WS 1 string not pulling over, went back down tag @ same depth 5551.80 pull up again no luck, not pulling over string weight. anchor not set or bad casing. 1.00 Rooh w WL/ gyro tool RD WL. Notified Craig W. Wilson D. about WS not setting. Select order fishing tools/ another Whipstock. 2.00 Crew tooh w 164 jts w/ 10 hwdp aoh dp standing back in derrick lay down mills. 1.00 SI Double S hot shot w/ fishing tools, Pu fish tools w/ hook. 4.50 Rih w aoh 164 + 10 hwdp, jar, hook pu 165 an tag WS, Work the hook up/ down to get in slot an rotated ed tbg work it for 45 min no sign of toque tooh w 128 its no sign of drag or weight change. Crew change at 6:00. Report Start Date Report End Date 4/13/2013 4/14/2013 Jsa Safety Mtg. Crew finished tooh with aoh 36 jts got hook to surface w/ no whipstock. MU box tap, jar, xo 1 dp, ox 10hwdp 164 jts out of derrick tih pu #165 9.5' in 5551.80' tag up WS, Rotated over WS/ Work box tap up/ down pulling string weight over 10k. Tooh slowly dragging out of hole 450' lost drag, Pull out 41 stands out pull over again 25k then release an continue tooh w/ aoh pull whipstock to surface. Look at WS anchor look like never set against casing, set WS on rig floor an anchor set an measure out 5 1/8", 5 1/2" Csg ID 5.012. RD Select WS/ Mills fish tools mol. Notified Craig Wright fish out of hole, Suggest to Rih w baker set at same depth 5554'. Spotted in Baker w/ WS MU WS/ Mills.

rat hole from 5549. 86' thru 5555. 99' total of 6.13' of rat hole. Crew change 6:00 am.

Dur (hrs) Commer

1.00 This report is on H-222 Capital Injector Key rig #27. Jsa Safety Mtg. Crew finished tooh with aoh 36 jts got hook to surface w/ no whipstock.

6.50 MU box tap, jar, xo 1 dp, ox 10- hwdp 164 jts out of derrick tih pu #165 9.5' in 5551.80' tag up WS, Rotated over WS/ Work box tap up/ down pulling string weight over 10k. Tooh slowly dragging out of hole 450' lost drag, Pull out 41 stands out pull over again 25k then release an continue tooh w/ aoh pull whipstock to surface.

Tih with WS, 10- HWDP 164 jts dp @ 5537' w/ baker WS tools, MU #165 w/ WL & Gyro tool, Rih an set ubho started w/ gyro tool face 33.50 made 5 attempts got TF to 320, went down tag CIBP TF 319, Called Craig Wright ok to set 319 check TF one time 319 pu on wire line, Sat down 8k on achor & shear anchor check TF 317, Pull Gyro up to 5000' work string/ Whipstock up/ down 55k to 60k then sat down 30k shear bolt set whipstock, Notified Craig W. about setting @ 317. Rooh w/ WL & Gyro tool RD WL. Crew rig up 3" flex hose to gas buster, RD swivel up w/ # 165, Break Cir. Went down tag up start milling on cutting window 5543.99'/ 1000 lbs. down on mill 1200 lbs torque, 1000 lbs Circulation pressure. @ 4 am finished milling whipstock slide from 5543.99 thru 5549.86'/ Continue milling rat hole. finished milling

- 1.50 Look at WS anchor look like never set against casing, set WS on rig floor an anchor set an measure out 5 1/8", 5 1/2" Csg ID 5.012. RD Select WS/ Mills fish tools mol. Notified Craig Wright fish out of hole, Suggest to Rih w baker set at same depth 5554'. Spotted in Baker w/ WS MU WS/ Mills.
- 2.00 Tih with WS, 10- HWDP 164 jts dp @ 5537' w/ baker WS tools,
- 0.50 MU #165 w/ WL & Gyro tool,
- 3.00 Rih an set ubho started w/ gyro tool face 33.50 made 5 attempts got TF to 320, went down tag CIBP TF 319, Called Craig Wright ok to set 319 check TF one time 319 pu on wire line, Sat down 8k on achor & shear anchor check TF 317, Pull Gyro up to 5000' work string/ Whipstock up/ down 55k to 60k then sat down 30k shear bolt set whipstock, Notified Craig W. about setting @ 317. Rooh w/ WL & Gyro tool RD WL.
- 2.00 Crew rig up 3" flex hose to gas buster, RD swivel up w/ # 165
- 7.50 Break Cir. Went down tag up start milling on cutting window 5543.99/ 1000 lbs. down on mill 1200 lbs torque, 1000 lbs Circulation pressure. @ 4 am finished milling whipstock slide from 5543.99 thru 5549.86/ / Continue milling rat hole. finished milling rat hole from 5549. 86/ thru 5555. 99/ total of 6.13/ of rat hole. Crew change 6:00 am.

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RECEIVED: May. 15, 2013



| PI Number 3037302420000 | S | ection 22 | Township 40S | Range 24E | Field Nam Aneth | ne | County San Juan | State/Province Utah |
|-----------------------------|---------------------------|--|---|--|---|--|---|---|
| round Elevation (ft) | Casing Flange | | | round Distanc | | KB-Casing Flange Distance (ft) | Well Spud Date/Time | Rig Release Date/Time |
| 4,926.00 | | | | 12.0 | 00 | | 9/26/1976 00:00 |) |
| Report Start Date 4/14/2013 | Report End Date 4/15/2013 | lock on s Pu 2.5 st good. Ci gauge m revised t about pu subscrib monel, L hwdp tot Pu 6 jts o inclinatio | ty Mtg, Jsa wivel, RD a wivel xo how r. well for 1 ill 1/16 und ally/ it coun tools/ dp. 1 e 2.57/ 31 c e 2.57/ 31 c e 2.57/ 31 c e 2.57/ 31 c on tools/ dp. 1 son tools/ dp. 1 | all hose's of se's from 3 hr. RD Sw er gauge of twith Mesi Western Dig degree dog so and p 25 of @ 582.04 swivel an coth 336.97. | ff 3.5 swivel .5 to 2.5. PU ivel w/ #165 liscuss with a West 199 verter arrive 1 leg, 1.23 flo 52.69', 1.66" 1, 1.26 Xo. R aliber depth break cir. sl | sed whipstock slide assure stiff arm's an break joint w J 2.5 swivel w/ # 165 break. Lay down 25 jts on rack to Doug w/ baker, Good to go aoh dp + 20 hwdp total 21 dw new rotating head/ chapt sub ,Subscribe w/ 2.87 Xo, 15- hwdp. Crew chang this w/ 60 jts tested motor (glogger, PU # 147 w/ wire lide from 5553' to 5564' inc 52 return fine sand/ water, | W Tbg tongs LD swivel w k cir. worked whipstock boh w/ 140 jts in derrick of LD tools mol. Moved 1: g jts on location, Safety ange out. MU 4 3/4 bit/3 UBHO set face tool, 1.2 ge 18:00, Jsa safety Mtg good) continue rih 80 jts ine/ gyro tool rih tag 545 dination 1.80 azmth 332 | n/# 165. Down time 2 hrs, slide everything looks + 10 jts Hwdp, LD mills an 0 more hwdp to pr tally Mtg w/ MW & Rig Crew 3 3/4 , 5L, 3.0 motor an 20, Xo, 31.01 monel, 30.94 jt. Crew finished pu 5 more out of derrick total 140 jts, 3' set in face tool 135.04, .81, Gyro connection slide |
| | | | | | | | | |
| Dur | | assure g joint w/ T | ood slide, S bg tongs L | Swivel quit | working/ Ac | Comment y rig #27. Jsa Safety Mtg, , ts like break is lock on swiv | | |
| | 1.50 | good. Ci | wivel xo ho r. well for 1 | hr | | J 2.5 swivel w/ # 165 brea | · | . 0 |
| | | gauge di | scuss with | Doug w/ ba | aker, Good t | k tooh w/ 140 jts in derrick o go LD tools mol | , , | |
| | 0.50 1.50 | Safety M Western MU 4 3/4 | tg w/ MW & Diverter ar I bit/ 3 3/4, | Rig Crew rived w nev 5L, 3.0 mo | about pu to w rotating he otor an subs | lly/ jt count with Mesa Wes ols/ dp. ead/ change out. cribe 2.57/ 31 degree dog onel, UBHO, 8- jts aoh dp 2 | leg, 1.23 float sub ,Subs | scribe w/ 2.87 UBHO set |
| | 3.00 | Crew cha | ange 18:00 | , Jsa safety | y Mtg. Crew | finished pu 5 more hwdp t of derrick total 140 jts, Pu | otal 19- hwdp @ 582.04 | , 1.26 Xo. Rih w/ 60 jts |
| | 2.50 3.00 |) break cir) Gyro cor back 12 | . slide from nection slid bbl. Crew c | 5553' to 5 de 5564' to | 564' inclinat 5570' inclir | 3' set in face tool 135.04, i ion 1.80 azmth 332.81, nation 1.80 azmth 331.52 r | | |
| Report Start Date 4/15/2013 | Report End Date 4/16/2013 | rooh w/\ making r dp 2- mo degree, l derrick. (148 / swi 2.6, slide Inc13.4 that poin | ty Mtg. Cor WL, Gyro to no hole, Cir. nels, Ox, u Re orient m Crew chang vel tag 559 from 5594 , Azm 42, s t sliding wr s. Cir. well, | ool lay down well, Lay of bho, float so lule shoe to ge 18:00, Jo do' break ci to 5625' so lide from 5 bong way. N | n gyro, RD N down 2 jts, F sub, motor, to high side, sa safety Mt r. 1100 psi o survey @ 55 635' to 564 otified Craig | 0' to 5583', Mesa West sug VL MOL. Continue slide from RD swivel hang back in derection of the swivel of the substance of t | om 5582' to 5590' after r rick. Tooh w/ aoh 146 jts v motor re adjust motor i onel's 8jts dp, ox, 19 hw derrick total 146 on top on bit from 5589' to 559 from 5625' to 5635' che og but check shots @ 56 on Azm of 43'. Suggeste | notor unable to slide/ s, Xo 19 jts hwdp xo 8 aoh from 2.57 to 2.83 @ 34 /dp ox 66 jts aoh out of of bha. Ru swivel/ pu 147 84' survey @ 5561' Inc eck shots @ 5602' 502' Inc. 17.1, Azm 43' at ed to pull back in 5 1/2 wai |
| Dur | (hrs) 2.50 | | ort is on H-2 | | • | Comment y rig #27. Jsa Safety Mtg. | Continue Slidding from t | 5570' to 5583', Mesa West |
| | 2.00 |) Continue | slide from | 5582' to 5 | | own gyro, RD WL MOL. otor unable to slide/ making rrick | g no hole, Cir. well | |
| | 1.00 1.50 1.00 | Pu new r Re orien Crew cha | motor re ad t mule shoe ange 18:00 | just motor to high sid , Jsa safety | from 2.57 to de, string flo y Mtg. Finish | oh dp 2- monels, Ox, ubho 2.83 @ 34 degree at, ubho, MU 2- monel's 8j ned rih w/ 80 out of derrick break cir. 1100 psi on Tbg. | ts dp, ox, 19 hwdp ox 66 | |



| | | | | | | | Well Hall | e: H222 Aneth Ur |
|---|--|---|--|--|--|--|--|--|
| API Number | Se | ection | Township | P Range 24E | Field Nam | e | County | State/Province |
| 43037302420000 Ground Elevation (ft) | Casing Flange | 22 Elevation (ft) | 40S | ∠4⊏ KB-Ground Distance (ft | Aneth | KB-Casing Flange Distance (ft) | San Juan Well Spud Date/Time | Utah Rig Release Date/Time |
| 4,926.00 | | | | 12.00 | | , , | 9/26/1976 00:00 | Ů |
| Dur (hrs | | | | | | Comment | | |
| | 1.50 1.00 | survey @ shots @ shots @ shots @ shots @ shots in 5 Cir. well, | 2 5561' 5602' I n 43` at 1/2 wa pooh la yn wait t | Inc 2.6, slide from the control of | om 5594' r, slide fro g wrong w k to 146 a | oreak cir. 1100 psi on Tbg. C to 5625' survey @ 5592' Inc im 5635' to 5644' trying to go ray. Notified Craig W. Jason an back in csg. | e. 9.4, Azm 48`, slide from 5et better reading but check | 625' to 5635' check shots @ 5602' Inc. |
| Report Start Date Re | port End Date | Operations S | | 6:00. wait on ord | ers. | | | |
| 4/16/2013 | 4/17/2013 | Waited or operation adjusted was hand 171 jts to 180 at 56 to top of to 5565. Sand lay d | n orders as due t at 2.83 d placer 5387 642. Rig window Survey own 8 j | s. Orders were to on high winds in the Break down too ment, job task, su Picked up 4 jts a grup wireline and the tat 5543 to 5556 show all tools we it to get above the | ne area. A ls. crew of ispended and tag to picked up is with Azi ere workin e window | h Mesa West tools Hang softer winds die down finish Tehange at 18:00 tail gate safloads, wireline operations. It pof window at 5543. Slide conformation of 347.52. 9 ft later with groperly. Discuss next operation. TOH out with BHA Crework, tripping DP, wireline operations. | OH with tools. Check tools ety meeting with all contract Make up BHA with 4 3/4 bit, on through with out no drag, and survey from surface to ha 45% turn putting Azimurerations with Craig Wright. I change at 6:00 am safety meeting with Craig Wright. I change at 6:00 am safety meeting with Craig Wright. | motor was still tors on location topic bit sub and TIH with Tag bottom with jt bottom with 200 ft Incl th at 43.32 from 5556 Circulate well clean neeting with |
| Dur (hrs | s) | | | | | Comment | | |
| | , | wait on o | rders | | | | | |
| Report Start Date Re 4/17/2013 | 1.00 5.00 1.50 1.00 0.50 0.50 2.50 1.00 2.00 1.00 2.50 0.50 | start TOI- waited or finish TO check all crew cha make up TIH with pick up 2 rig up wir run tools circulate lay down crew cha rig up wir Operations This is th and set a with 5 1/2 pup jt, 2 1 and 150 j and surve operation Have wir and estal returns of | H with B wind the win | o die down BHA West tools and br fety meeting topic ith bit and bit sub o 5383. o through window and pick up gyroda rvey hole ean d TOH with BHA 6:00 am saety me t on Aneth Unit H top of plug. Como or,5 1/2 whipstock H x 2 7/8 Pac, UE o the depth of 5 y 1000 ft. Crew co pressure lines, k ull up 1000 ft. She culation. Tag and cement, formatio | eak down was han run on data tools eeting wit l-222 Cape out and k, 4 3/4 wi BHO sub, 5347. Picl hange at eeping upear-off whall start mill n shale, I | n of placement, job task, suspond placement, job task, suspond placement, job task, suspond placement, job task, suspond placement is a fixed placement of the placement is a fixed placement is a fix | pic was tripping DP, tong op ish rigging up wireline and paker to bring out 5 1/2 whip mill that were check for ga heavy weight spiral DP, 2 7, wireline on the 6 jt with Gyro with contractors on location or, Orient whipstock with gyro and Gyrodata and release. For the saver at 900 psi with 4-K and circulate well clean. Cre | erations, team work Dick up CIBP run on in stock.Make up BOH uge, 3 1/8 OD flex /8 H-90 x AOH DP odata tools.Run on in topic was wireline to tool face at 322.02. Rig up power swivel down with good we change at 6:00 tail |
| | | | | | | | | |
| Dur (hrs | s) | | | | | Comment | | |
| | 3.00 2.00 3.50 1.50 0.50 2.00 1.00 6.50 1.00 | wait on b pick up 5 TIH with a pick-up 5 crew cha lines, kee set and o rig up por tag and e circulate | aker too 1/2 wh tools ta jts and nge at eping up rient wh wer swi establish well cle | I rig up wireline of 18:00 hours safet of with fluids, comhipstock at 322.0 givel the circulation and sean | whipstocher and ments of the 6 jt ty meeting munication 2 come o | ck ake up pick-up gyro tools and run o g with contractors on locatio on ut and release wireline and | n topic was wireline operati gyrodata | - |



| API Number | | Section | Township | 0 | Range | Field Name | 9 | County | | State/Province | |
|-----------------------|--------------|-------------------|----------|---------|-------------------|------------|--------------------------------|---------------------|-----|-------------------|--|
| 43037302420000 | | 22 | 40S | | 24E | Aneth | | San Juan | | Utah | |
| Ground Elevation (ft) | Casing Flang | ge Elevation (ft) | K | (B-Grou | ind Distance (ft) | | KB-Casing Flange Distance (ft) | Well Spud Date/Time | Rig | Release Date/Time | |
| 4,926.00 | | | | | 12.00 | | | 9/26/1976 00:00 | | | |

| Dete Operations Summ This is the rej 3/4 3 stage m TIH with 8 join way in (Good to the top of some on line with 1 at 326.3. Slid at .74 Tool Fafrom 5558 to 6:00 safety m 1.00 hang back sw 2.50 TOH with BH 2.00 break down E monels, gyro 2.50 TIH with Direct 1.50 change out but 1.50 run on in and 1.00 set tool face is 3.00 check tools a pressure lines | eport on H-222 Capital Injector Key rig #27 Finish TOH with tools. Rig up Mesa west tools with 4 3/4 bit, 3 motor, float sub, UBHO sub, x-over, 2 flex Monels, Gyrodata UBHO sub, Rig up to test motors (Good Test) ints of AOH DP, x-over and 18 its of spiral heavy weight DP x-over and 146 its of AOH. Test motors half d Test). TIH to the depth of 5481 Change out to longer bails. Rig up swivel on jt 173 and BlueJets lubricato swivel. Pick-up jt and make up gyro tools. Run on in and survey every 1000 ft. Seat for proper tool face. on line with 1000 psi at 2 bbl a min. Had no readings in gyro tool. Pull tool to check cable head and gyro egyro tools, computer, and re-head wireline cable. Pick up tools, run on in seat to get tool face. Put pump 1300 psi on pressure Slide from 5522 to 5530Gyro up date Azimuth at 339.43 Inclination at6 Tool Face de from 5536 to 5536. Gyro connection. Slide from 5536 to 5545 Gyro up date Azimuth at 336.3 Inclination ace 10.51. Slide from 5545 to 5558 drift up date Azimuth at 333.86 Inclination at .77 Tool Face 9.35. Slide to 5568 Gyro up date Azimuth at 332.32 Inclination at .80 Tool Face 18.56. Gryo connection. Crew change a meeting with contractors on location topic was wireline operations, job task, teamwork Continue to slide dri wivel and lay down 5 jts |
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| 3.00 check tools a pressure lines | and cable head cre change safety meeting with contractors on location topic was wireline operations, high |
| pressure lines | |
| · | es, communication. |
| WI | rireline seat and get tool face kick on pump tp 1000 psi at 2 bbl a min tag and start drilling ahead |
| 1.00 pull tools for a | gryo connection test tools for high side |
| 4.00 slide drill from | · · |
| | |
| Date Operations Summ | e at 6:00 am safety meeting with contractors on location topic was wireline operationss, job task, teamwork |
| This is the relation 16 pull up wirelin well clean pul work on rig pulines, job task at 5630. Inclingain.notified ressure climout 15# mud. kill weight flui | epot on H-222 Capital Injector Key rig #27 Slide drill from 5568 to 5583 Gyro up date Azimuth at 325.25, 6.10 Slide from 5583 to 5599. gyro up date Azimuth at 326.40 Inclination 16.10. Circulate well clean and the for gyro connection. Slide from 5599 to 5631 gyro up date Azimuth 325.10 Inclination 24.70. Circulate all up and release wireline truck and gyro data. Make connection and slide from 5631 to 5644 Shut down to comp. Crew change at 18:00 hours safety meeting with contractors on location topic was high pressure sk, keeping and eye on fluids, communication. Reestablish circulation and slide from 5644 to 5663. Survey inations at 34.1 azimuth of 323.3 323.3. Slide from 5663 to 5672. when close loop hand notices an pit rig operator. Pull up and monitor well through choke. Well unloaded with 100% LEL. good amount of CO2 mbing up to 1400 psi. Shut in well due to wind direction. Call in for kill weight fluids. Wait on trucks to haul. Run mud across shakers. Open well through choke and bleed of pressure down to 600 psi. Start to pum did kept an eye on pressure. Crew change at 6:00 tail gate safety meeting with crew topic was keeping and sp. pump pressure, job task. Continue to pump kill weight fluids. |
| | Comment |
| 3.00 continue to sl | slide drill from 5568 to 5583 |
| | Il clean pull wireline and lay down tool and test for high side slide drill from 5583 to 5644 with 10 K down ressure at 1350 psi with good returns of formation drill out 61 feet with the help og gyrodata |
| 0.50 crew change | e safety meting with contractors on location topic was high pressure lines, job task, communication |
| • | , e |
| • . | drill from 5644 5672. with good returns. a total of 28 ft with pump pressure of 1350 psi |
| | · · · · · · · · · · · · · · · · · · · |
| . • | in well started to comr around monitor pressure through choke shut in well due to wind direction |
| | ss to haul mud from mud plant |
| · | rough choke and monitors pressure starting at 1400 psi down to 600 psi welll making CO-2 |
| | run mud arcoss shakers |
| 1.00 started pump | p 15# mud keep and eye on pressure |
| 0.50 | e at 6:00 safety meeting with crew topic was keeping and eye on fluids, pump pressure, job task |
| | at 5630. Incl gain.notified Pressure clii out 15# muc kill weight flu eye on fluids 3.00 continue to s 9.00 circulate wel and pump pi 0.50 crew change 1.00 work on rig p 2.00 continue to s 1.00 had a pit ga 3.00 wait on truck 2.00 open well th 1.00 mud arrived 1.00 started pump |



| 22 40S 24E Aneth San Juan Utah |
|---|
| Operations Summary This is the report on AU H-222 Capital Injector. Key Rig # 27 Finish pumping 15.# mud. the well was starting to take fluids. the hole is full and no pressure. pulled up 1 jt with swivel and lay it down. Swivel up on next jt pulled up 15 ft and was stuck. The weight indicator pads was not working properly. Call Craig and discuss next operations. Decided to circulate well around with P/W to try and get back into window. Waited on water truck to arrive. Start filling up 400 bbl tank. Pumped 40 bbls down tubing it started to pressure up Release pressure and had pumper start wagging G-122 with water. Called out Select Tool hand while waiting replace weight indicator pads and monitor well. Started pull 15 to 20 over and working tubing up and down when it started to move. Crew change at 18:00 safety meeting with contractors on location topic was stay off floor when pulling on DP, tong operations, suspended loads. Work tubing up 30 ft with swivel and lay down jt and continue to work tubing free. Work BHA back in top of window. Waited on kill weight fluids for displacement when TOH with BHA. Start out of hole with BHA. Lay down Mesa West tools. Make up BHA with 4 3/4 bit, bit sub, 8 jts of AOH, 18 jts of HWDP, and tally back in Crew change at 6:00 am safety meeting with crew topic was tripping DP, communication, teamwork. Continue to TIH Comment Finish killing well with 15 # mud through choke manifold lay down jt 151 with swivel pull up on jt 150 about 15 ft up when tubing became stuck. call out water truck to haul in PW had pumper wag well G-1222 and replace weight indicator pads start working tubing up and down and rotate with swivel pull up 30 ft and lay down jt with swivel crew change at 18:00 safety meeting with rig crew topic was staying of rig floor when pulling on DP, tong operations, suspended loads continue to work on pulling DP and BHA back to the top of window had water truck haul in 13# mud and run arcoss shakers for displacement TOH with BHA and pump displacement brake down Mesa |
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| had pumper wag well G-1222 and replace weight indicator pads start working tubing up and down and rotate with swivel pull up 30 ft and lay down jt with swivel crew change at 18:00 safety meeting with rig crew topic was staying of rig floor when pulling on DP,tong operations, suspended loads continue to work on pulling DP and BHA back to the top of window had water truck haul in 13# mud and run arcoss shakers for displacement TOH with BHA and pump displacement brake down Mesa West tools and make up BHA with 4 3/4 bit and bit sub tally back in crew change at 6:00 am safety meeting with crew topic was tripping DP, communication, teamwork Operations Summary Jsa safety Mtg. Crew finished pu last 8 jts w/ swivel tag with 180 5670' work pipe up/ down. Lansing finished load up right w/ 280 bbls 10# brine. Break Cir. to flow back tank, Circulated 13 & 14# mud out of well w/ 10# brine 145 bbls, pump another 5 bbls total 150 bbl 10# brine. SWI well pressure 550 psi, SIW for 30 min pressure up to 850 psi. Went SI |
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| suspended loads continue to work on pulling DP and BHA back to the top of window had water truck haul in 13# mud and run arcoss shakers for displacement TOH with BHA and pump displacement brake down Mesa West tools and make up BHA with 4 3/4 bit and bit sub tally back in crew change at 6:00 am safety meeting with crew topic was tripping DP, communication, teamwork Operations Summary Jsa safety Mtg. Crew finished pu last 8 jts w/ swivel tag with 180 5670' work pipe up/ down. Lansing finished load up right w/ 280 bbls 10# brine. Break Cir. to flow back tank, Circulated 13 & 14# mud out of well w/ 10# brine 145 bbls, pump another 5 bbls total 150 bbl 10# brine. SWI well pressure 550 psi, SIW for 30 min pressure up to 850 psi. Went SI |
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| Operations Summary Jsa safety Mtg. Crew finished pu last 8 jts w/ swivel tag with 180 5670' work pipe up/ down. Lansing finished load up right w/ 280 bbls 10# brine. Break Cir. to flow back tank, Circulated 13 & 14# mud out of well w/ 10# brine 145 bbls, pump another 5 bbls total 150 bbl 10# brine. SWI well pressure 550 psi, SIW for 30 min pressure up to 850 psi. Went SI |
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| H122/ G122 injection wells Notified the pumper/ Lynn Begay/ Craig Wright. Open well flow back 10# back to FB tank lot of Co2, H2S, Fluid. Bled well down to 150 psi, pump another 200 bbl of 10# Down Tbg out Csg fluid did not come back to FB tank, blowing gas down to 0psi well dead. Crew change at 18:00, Crew lay down 7 jts back on cat walk. Waited on order/ monitor well for hour an well started to flow. Craig W. called roll hole w/ pw, wait for mud engineer to mix LCM w/ mud. Roll the hole w/ pw 480 bbl to fb tank w/ some gas pockets, kick out pump pressure drop down to 20 psi an pick up pressure up to 950 psi shut in 30 min. Lansing haul fb to A1/ D6. Open well to fb tank flow well back unloaded p/w, Lot of gas blowing to fb tank 30 to 50 h2s, LEL 4. blow down 250 psi mostly gas/ very little fluid comming back. Lansing haul 545 bbl to D6/ A1. Crew change @ 6:00 AM. |
| Comment |
| Jsa safety Mtg. Crew finished pu last 8 jts w/ swivel tag with 180 5670' work pipe up/ down. Lansing finished load up right w/ 280 bbls 10# brine. Break Cir. to flow back tank, Circulated 13 & 14# mud out of well w/ 10# brine 145 bbls, pump another 5 bbls total 150 bbl 10# brine. SWI well pressure 550 psi, SIW for 30 min pressure up to 850 psi. Went SI H122/ G122 injection wells Notified the pumper/ Lynn Begay/ Craig Wright |
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| Open well to fb tank flow well back unloaded p/w, Lot of gas blowing to fb tank 30 to 50 h2s, LEL 4. blow down 250 psi mostly gas/ very little fluid comming back. Lansing haul 545 bbl to D6/ A1. Crew change @ 6:00 AM. |
| |



| API Number 43037302420000 | | Section 22 | Township 40S | Range 24E | Field Name Aneth | County San Juan | State/Province Utah |
|--------------------------------|--|--|--|--|---|---|--|
| Ground Elevation (ft) 4,926.00 | Casing Flang | e Elevation (ft) | | -Ground Distance (f | 1 | | Rig Release Date/Time |
| Report Start Date 4/22/2013 | Report End Date 4/23/2013 | direction sample of FW up rid 100 bbls down tbg 100 bbl de Unloaded sks ceda pump ps adding visign of Cigain. No | ty Mtg. Cr to CO2 p of MW 13. ght tank. of FW to g out csg, l0.2 # mu d/ materia r fiber, 2 s i 3 bpm. ery little o O2/ H2S. | lant, SIP 450 p 25# & tested. Continue to ro bring down 10 Csg 800 psi, T d. Pumped 15 ils of dash truc sks N seal, tota Circ. well for hi f zeogel, stop I Work slide do ig W., OK to m | owing back well to FB tank 500 plants. Waited for Halliburtion Mud Mtg with Craig W. about mixing. Ill out 87 bbls mud to reserve tar 2.2 mud. Safety mtg 9 people a 2 bg 500 psi pumped pressure at b. Started adding FW to mud/ bal 8% LCM to start with. Swivel 2, got back 9.8 mud return w/nit, N seal working slide up/ down to 5670' w/ MW 9.8 m, circ. wove on. TOOH w/ DP & bit. Slu | Engineer to arrive, Engineer a pumping mud. Got back to risk, started to mix mud w/ 99 by bout pumping mud/ pressure. Co2 on return. Blow down coloop system. Circ. 20 min, losing down 10#. Added 10 sks up/ PU 3 jts down to #176, 554 or gas or CO2. Made 2 jts down. PU #179 & 180 working slivell, fluid staying @ 176 bbl in | rrive @ 13:00. Got g, Lansing fill up 400 bbl oil in loop tank an added Started pumping mud ag to 0 psi after pumping at 30 bbls, SD pump. zeogel, 6 sks stop hit, 3 46' and break circ. w/ 500 n 5609' #178, continue de with no drag or any loop system, no loss or |
| Dur | (hrs) | | | | Comment | | |
| Report Start Date | 3.0 4.0 1.5 1.0 3.0 0.5 1.0 1.5 1.0 7.0 | 500 psi g 0 Waited fo 0 Engineer 0 Mtg with 0 Lansing in loop to 0 Safety m 0 Started p to 0 psi a lost 30 b 0 unloaded 0 .Started of Added 10 down to made 2 j 180 work 176 bbl i | gas/ fluid, or Hallibur arrive @ Craig W. fill up 400 ank added tg 9 peopoumping rufter pump bl SD pur d/ materia adding fw 0 sks zeo # 176 554 ts down 5 king slide in loop systobl with 1: | H2S 30 & 50 prion Mud Engination Mud Engination, Got sa about mixing/ or bible with the about pump and down the coing 100 bbl 100 mp. Is of dash truck to mud/ bring gel, 6 sks- stop 1609 #178 com with no drag or stem no lost/ or stem and stem no lost/ or stem and | apital Injector. Key Rig # 27, Jsa si SWI do to wind direction to Coneer to arrive, mple of mud/ weigh 13.25# & te pumping mud. The property of the property | o2 plant, SIP 450 psi sted obls mud to reserve tank, starte si pumped pressure an Co2 or ally got return back at loop syst seal total 8% LCM to start wi sell for hr got back 9.8# mud ret stop hit, N seal working slide de down to 5670' w/ MW 9.8# ci ove on tooh w/ dp & bit. | ed to mix mud w/ 99 bbl a return. Blow down csg tem, cir. about 20 min th. Swivel up/ pu 3 jts turn w/ no gas or co2. up/ down, Pu #179 & |
| 4/23/2013 | 4/24/2013 | Crew fini well start to top kill well dear 172 jts 55 Ray, Eng mud dow return to hoses of mud eve motor (greet community for the pit hand | shed RD flowing. Itbg. Sta d for sec. 419'. Csg ineer- De in tbg, 50 shaker M f tbg, ope ry row, ke bod). RII- mining up surface (i tting. Put went to m | SD SWI CP @ rted pumping of Installed string of flowing @ 200 enver. Dicusse 0 psi pump pre IW 9.8. Pump n pipe ram. To ep casing full. 4 60 jts DP, XO psi to test good), MWD of BHA back togenud plant to ge | 8 jts on pipe rack. TOOH pumple 600 psi. Tbg dead, installed T lown tbg 500 psi, Csg 600 psi, cg float, RIH w/1 jt, had kick, casi 0 psi to FB tank. SWI wait for od and agree w/ 10.2 MW to pum issure, csg 0 psi after pumping 8 another 10 bbls, MW 10.1, total DOH w/DP standing back in deri TOOH LD bit/ sub. Well still de, 18 jts hwdp + 17 jts on hwdp, 1 t motor, acting like plugged hole necked out good. BO ubho, fou the, test motor (good). RIH w/t de-former to put in mud. Crew MWD tool reading good, contin | W valve, 9.8# mud in loop syspen to FB tank. Pump 30 bbls ng side 500 psi. Choke back street from Engineers. New cop, csg 600 psi and open to FE to bbls 10.2 mud. Pump anoth 160 mud pumped. Kick out pick, PO 48 jts. Continue TOO ad, PU 4 3/4 bit, motor, ubho, otal 95 jts. Tested MWD tool/. TOOH w DP/ hwdp, monels, nd little pieces of trash, found to 10 jts, test motor (good) but M RIH with 95 jts. Pit man came | tem and build up to 10.1 s 10.1 mud, csg 0, tbg 0, 50%, continue RIH w/DF ntact person Jeremy tank. Pumped 10.2 her 70 bbls, total mud ump well 0 psi. RD H w/DP, pumping 10.1 XO, flex monels. Tested motor, pump pressure MWD tool, LD. Test that didn't put screen on WD not reading right. |
| Dur | (hrs) | 0 This is a | | - AIIII 000 0 | Comment | and the Man Occording to the Late | audical an law days C. |
| | 3.0 | | | | apital Injector. Key Rig # 27, Jsa ls 9.8# mud every row tooh w/ 1 | | swivel an lay down 8 jts |
| | | Started p | oumping o string floa | lown tbg 500 p at rih w/ 1-jt ha | d installed Tiw valve, 9.8# mud i si, Csg 600 psi open to fb tank p d kick casing side 500 psi choke | oump 30 bbls 10.1 mud csg 0, | tbg 0. well dead for sec |
| | | 111 11/1/11 (0 | | | | | |



| TATO | | | | | | | | | | | Well Nam | e: | H222 Aneth Un |
|---|------------------|-----------------------|--|--|---|--|--|---|---|---|--|--|---|
| API Number | | | Section | | Townsh | | - | Field Nam | e | I | County | | State/Province |
| 43037302420000 Ground Elevation (ft) | | Casing Fla | | 22 ation (ft) | 40S | KB-Ground I | | Aneth | KB-Casing Flange Distance | | San Juan Vell Spud Date/Time | Riç | Utah g Release Date/Time |
| 4,926.00 | | | | | | | 12.00 | | | | 9/26/1976 00:00 | | |
| Dur | (hrs) | 1 | fb 70 .00 RE | tank, F total n) hose | oumpe nud re s off T | ed 10.2 mu eturn to sha Tbg open p | id down t aker MW pipe ram | tbg 500 p 9.8 pum tooh w/ d | si pump pressure, Cs p another 10 bbls MW | an agree sg 0 psi a N 10.1 to errick PO | w/ 10.2 MW to pump. Cafter pumping 80 bbls 10 tal 160 mud pump, kick of 48 jts. Crew change 18 in lay down bit/ sub. | .2 mu out p | ud pump another |
| | | 1 | .50 Ril 17 .50 To | h 60 jts 00 psi oh w d | dp, o to test p/ hwo | x, 18 jts h t motor act dp monel's | wdp + 17 ting like p mwd too | its on hy olug hole ol ld | | d mwd tod | ol/ motor pump pressure | · | |
| | | | .50 Ril cre dp | h w/ 10 ew rih v . Crew | jts te with 95 chang | st motor (g 5 jts pit ma ge 6:00. | good) but | t mwd no | | | to mud plant to get de fo nin, Mwd tool reading goo | | |
| Report Start Date 4/24/2013 | | nd Date 5/2013 | Fir plu Je bit 30 Pu LC LD CH bit | ugged remy F /sub, F min, S imp 12 M clea bit/su H34MR CH24 | RIH wup - tra Ray, ag RIH w/l RWI, w 0 bbls ared up b, PU S on I MRS, | vith DP/ Bhash in scree to PO DP, hwdp of vind toward composite to the com | een. Preport with the second with the second | ssure up g. KO pu 5611', 18 blant. Kic return to eed on m threads c connie T, nels, teste | 1500 psi, went thru ro imp RD hoses off tbg. 30 jts tbg depth only. (in k pump in, circ down to loop system and cleat and clean, kick out pump in bit twisted off when Jeremy R. agreed on led motor- mwd tool (g. 199' swivel up. | routine for g. TOOH Csg star a tbg out cean out w imp well c n making n using 4 good). R | od). Put screen in surfact about hour, finally plug w/DP, BHA, wet pull. LE ted blowing gas to FB tacsg. Csg blowing gas to ell. Return a lot of LCM, dead. LD 8 jts on catwall up. LD motor, didn't har 3/4" bit CH24MRS. PU IH w/ 60 jts DP, 18- hwd | up den BH. Ink. If FB to made k, TC ve ar anotte | own hole. Notified A w/motor. PU Flow back well for ank 500 psi. le 3 poly sweeps, bOH w/DP, hwdp. lother 4 3/4 bit - her motor & 4 3/4 |
| Dur | (hrs) | 1. | | | | | | pital Inje | Comment ctor. Key Rig # 27, Jsa | | Mtg. Finished rih with dp | / bha | a down to 5440' |
| | | 2 | .50 Pu | | en in s | • | , | plug up/ t | rash in screen pressu | sure up 15 | 500 psi went thru routine | for a | bout hour finally |
| | | | .50 Nc .00 pu mi | otified of bit/ su | leremy b rih v vind to | y Rae agre v/ dp, hwd | p down t | o 5611' 1 | 180 jts tbg depth only. | /. csg star | oh w/ dp,bha. wet pull. lotted blowing gas to fb tare blowing gas to fb tank 50 | ık flo | w back well for 30 |
| | | 4 | | | | | | | return to loop system mud clean, kick out p | | in out well. return a lot of ell dead. | lcm | made 3 poly |
| | | 3 | mo | | dn't ha | | | | | | eads on bit twisted off wl nie T, Jeremy R. agree o | | |
| | | 3 | .00 Ril 6:0 | h w/ 60 00 |) jts ac | oh dp, 18- | | - | | | otor- mwd tool (good). f rack to #177 5599' swiv | el up | o. Crew change |
| Report Start Date 4/25/2013 | Report En 4/2 | 6/2013 | Cr ha 56 57 | d to wo 92' Inc 56' to s ding fro | shed F ork DF 50.4 / 5771', | RU swivel, P. Slide fro Az 322.4. slide from | m 5678' Slide fro 5771' 57 | to 5693', m 5725' i 776'. Rot | survey @ 5660' Inc 4 to 5749', rotate from 5 ate from 5776' 5788', | 43.2 Az 3 5749' to 3 ', survey (| le from 5672' to 5678'. M 323.1. Slide from 5693' 5756', survey @ 5723' In @ 5755' Inc 61.5 AZ 322 rate 60 SPM, soilds 6.29 | to 57 c 56 .4. <i>P</i> | 25', survey @ .4 AZ 321.9. Slide As of this morning, |
| Dur | (hrs) | 3 | .50 .ls | a safet | v mta | crew finis | hed ru s | wivel hre | Comment eak cir. tag up at 5672 | | s. slide from 5672' to 567 | 8' mi | ule shoe packed |
| | | 1 3 3 2 3 | off .75 go .75 slid .00 mu .25 Da .75 slo | so wo od cir. de fron ud at 9 ash hot ow drilli | rk pipe to loop 5693 .9# sid shot d ng ng wit | e up/ dowr p system 9 b' to 5725' ding w/ good deliver 2 a | n got cir. 9.9# mud survey @ od cir. oh dp, to | back. I vis 47 pl | n 8 130 bbl no lost or no 50.4 AZ 322.4 retur | r gain slid urn shall/ 2 aoh tha | le from 5678' to 5693'. | or. | |
| Report Start Date 4/26/2013 | Report En | nd Date 7/2013 | Оре | erations | Summar | | ate from | 5788 to 5 | 883 | | | | |
| | | | | | | | | | | | | | |



| API Number | Sec | tion Towns | ship Range | Field Name | | County | State/Province |
|-----------------------|-----------------|----------------------------------|---|-----------------|--------------------------------|---------------------------------|--------------------------|
| 13037302420000 | 000 | 22 40\$ | | Aneth | | San Juan | Utah |
| Ground Elevation (ft) | Casing Flange E | | KB-Ground Distance (f | | KB-Casing Flange Distance (ft) | Well Spud Date/Time | Rig Release Date/Time |
| 4,926.00 | | | 12.00 | | | 9/26/1976 00:00 | |
| Dur (hrs) | | | | | Comment | | |
| | | | e from 5788 to 580 | | l (5000 / 5000 B | 25 . 5 | 5000 / 5004 |
| | | | | | | OP at 5 ft an hour slide from | 5820 to 5881 |
| | | | and establish circul | | | and eye on all fluids and re | nort all nit gains and |
| | | | | | BS safety check all monitor | | port all pit gairis ariu |
| | | | lide from 5851 | 0 17 11100 7 11 | 20 carety erroen an memor | 0.0 | |
| | | | | fetv meetin | a with contractors on loca | ation topic was high pressure | e lines.communication |
| | | • | eping an eye on flu | • | 9 | | , |
| | 3.50 | continure to sl | ide to 5860 | | | | |
| | 1.50 | drilled into DC | 2C had an pit gain | of 40 bbls | pull up and shut in pipe ra | ams and monitor pressure, | pressure climbing up |
| | | | | | t off gas to flare stack. up | mud weight to 9.9 start pun | nping and re-condition |
| | | | work out gas bubbl | | | | |
| | | | de and rotate from | 5860 to 58 | 78. circulate well clean m | ake an connection on jt 185 | start slide drilling |
| | | from 5883. | | | | | |
| Danast Ctart Data | | | de from 5883 to 58 | 95 crew ch | ange at 6:00 | | |
| | | Operations Summa | ary te ahead to target [| Depth of 73 | 876 (TMD) | | |
| Dur (hrs) | 1/20/2010 | Ciido dila lota | to arroad to target i | D 0 p 11 01 7 0 | Comment | | |
| | 0.50 | safety meeting | g with all contractor | rs on location | on topic was watch all flui | ds, high pressure lines, job | task |
| | | | | rvey Inc at | 78.5 Az 321.5 start rotati | ng from 5914 to 5946. ron a | survet |
| | | | ction with jt 187 | | | | |
| | | rotate from 59 323.5 | 46 to 5956 slide 5 | 5956 to 596 | 68 rotate from 5968 to 597 | 77 with 12 K down Survy at \$ | 5944 Inc at 84.4 az at |
| | | | antina and side on | :+ 400 | | | |
| | | | ection and pick up 68 to 5983 survey | • | | | |
| | | | ck up jt 189 mud we | | 10 vist at 46 | | |
| | | | tate from 6009 to 6 | - | | | |
| | | | | • | | ic was high pressure lines, j | ob task, teamwork |
| | | • | • | - | at 82.6 Az at 321.0 | | |
| | 4.00 | continue to rot | tat from 6041 to 60 | 72 survey | at 6039 Inc at 83.0 Az at | 321.5 rotate from 6072 to 6 | 094 |
| | | | | | | swivel the well started to flo | |
| | | | | | | d monitors pressure circulate | e gas around with 10# |
| | | mud. pull up o | n jt 190 to make su | ure we are | no stuck work pipe up and | d down | |
| | | | | | n to 6104. make connecti | | |
| Dancet Ctart Data | | | | 135. surve | y at 6039 Inc at 83.3 Az 3 | 21.6 crew change at 6:00 | |
| | | Operations Summa | ary 7 Trip for bit and m | notor | | | |
| Dur (hrs) | | | | | Comment | | |
| | 0.50 | safety meeting | g with all contractor | rs on location | on topic was watch all flui | ds, high pressure lines, job | task |
| | | | | • | t 6134 Inc at 83.3 Az at 3 | 21.9 | |
| | | . | weight to 10.2# circ | | | | |
| | | , | • | • | | cement, laying down DP, cor | nmunication, job task |
| | | | • | • | ve window at 5512 | atabat truck of drilling matari | al with farklift |
| | | | ind keep hole full | ate well arc | duna with 9 bbis unioad no | otshot truck of drilling materi | ai with forkill |
| | | | • | n location to | onic was tripping DP kee | ping hole full, hand placeme | ent teamwork |
| | | continue to TC | • | ii looddoli t | opio was inpping bi , kee | ping noic rail, nana piaceme | in, touriwork |
| | | | | own Mesa \ | West Directional tools, ma | ake up new (4 3/4 bit # 1333 | 195-CH34) with new |
| | | | tor and monels. sc | | | | , |
| | 2.00 | TIH with mone | els, and 60 jt of AOI | H DP, 18 jts | s of HWDP TIH half way to | o test motor | |
| | 1.00 | circulate well a | around with 10.2# r | mud. | · | | |
| | | | n o the top of wind | | | | |
| | | • | | | d to recondition well bore | | |
| | | | | • | out lateral to 5883. circul | | |
| Poport Stort Data | | | | m 6135 to | 6167 to clean up lateral. | crew change at 6:00 | |
| 1 | | Operations Summa (Continue to re | | et depth of | 7051 TMD) 600 total ft. | | |
| Dur (hrs) | ., 30, 2010 | (2011111001010 | case arroad to tary | o. dopin or | Comment | | |
| | | | | | | , high pressure lines, job tas | |
| | | | | | and break circulation star | t rotating from 6167 to 6198 | survey at 6165 inc |
| | | | | | good returns. | | |



| NATURAL | RESOURCES | | | | | | | Well Name | : H222 Aneth Uni |
|-----------------------------------|--------------------------|----------------------------|------------------|---------------------|----------------------------|-------------------------|---|--------------------------------|-------------------------|
| API Number 43037302420000 | Se | ection 22 | Towns | hip | Range 24E | Field Name | 9 | County San Juan | State/Province Utah |
| Ground Elevation (ft) 4,926.00 | Casing Flange | | 403 | KB-Grou | und Distance (ft) | | KB-Casing Flange Distance (ft) | Well Spud Date/Time | Rig Release Date/Time |
| 4,920.00 Dur (hrs) | | | | | 12.00 | | Comment | 9/20/1970 00:00 | |
| Dui (iiis) | | an hour | | • | | | 3 to 6230. survy at 6197 inc | | |
| | | safety me | eting | with co | | location | 6262 loss 9 bbls circulate w topic was keeping an eye or | _ | |
| | 2.50 | make cor at 10.2 | necti | on on jt | 197 rotate | from 6262 | 2 to 6293 survy at 6260 inc 8 | 32.8 az 322.4 had no pit gai | n or loss mud weight |
| | | | | | 198 rotate fr | | | | |
| | | | • | | | | as watch all fluids, communionud weight of 10.2 coming of | - | 5. rop at 8 to 10 ft an |
| | | make cor increase | necti pull u | on on jt p and s | 200 rotate | from 6356 ups well s | 5 to 6356. survey at 6323 inc 6 to 6388 had rop of 25 ft ar tarted to flow start up pup a | n hour from 6356 to 6374 pr | |
| | | | | • | | | to 6419 survey at 6386 inc and 6419 to 6424 crew change | | |
| Report Start Date 4/30/2013 | ort End Date 5/1/2013 | Operations S | Summa DC-2 | ry | | | to Target depth of TMD of 7 | | of Vertical Section |
| Dur (hrs) | 0.50 | la a lal a a fa | 4 | . 4 | :4144- | ! | Comment | a linear tagan wanta inh tagla | |
| | | | | _ | | | ation topic was high pressur th mud weight of 10.1 comin | | |
| | | ROP at 1 | 3 ft ar | n hour v | with return o | f white sh | nell formation. | | 555415 41 17 55. |
| | | | | | | | scuss pulling tools to put str d to flow shut down and mor | • . | gas hubble around |
| | | through c | hoke | | | | | • | gao babbie arouna |
| | | finish layi start out v | • | | to get back | above wi | ndow.circulate well around to | o get gas around | |
| | | | | | safety meet | ing with o | contractors on location topic | was keeping hole full, hand | placement, tripping |
| | 2.50 | Finish TC xover and | | | stall string fl | oat New | BHA Directional tool, 30 jts A | AOH, string float, 30 jts of A | OH 18 jts of HWDP. |
| | | | | | | | 10.1# mud to re-condition we wivel and circulate well arou | 9 | ound |
| | | | | • | | Ο. | vere leaking | ina. | |
| | | | | | | | culate gas around | | |
| Descrit Otant Data | | finish pick | | | 6454 break | circulation | on and calibrate depth track | er continue to circulate cre | w change |
| Report Start Date Report 5/1/2013 | ort End Date 5/2/2013 | | | , | to target de | pth of TM | ID of 7047', TVD of 5912', 14 | 400' of vertical section (30s | 9' to TD). |
| Dur (hrs) | 0.50 | Crow cho | ngo (| ത ഭംഗം | am, Jsa saf | oty Mta w | Comment | | |
| | | Contiue C | Cir. we | ell to ge | t air out, MV | VD no rea | ading. Kick pump out and bruction pit causing solids to pi | • | • |
| | 1.00 | Slide fron | n 645 | 4' to 64 | 58' made co | nnection | | | |
| | | | | | | | survey @ 6452' Inc 81.7 Az | : 322. | |
| | | | | | urvey @ 64 | | | | |
| | | | | | urvey ⊚ 65 Jsa Safety ľ | | .9 Az 322, lost 9 bbls. | | |
| | | | - | | | • | 1.7 Az 321.7. | | |
| | | | | | • | | Inc 81.5 Az 321.9 | | |
| | 2.00 | Rotate 66 | 311'- 6 | 616', sl | lide from 66 | 16'- 6619 | ', rotate 6619'- 6643', survey | / @ 6610' Inc 81.5 Az 321.9 | |
| | | 6706'- 67 sign of H2 | 38', s 2S/ pr | urvey @ ressure, | 2 6705' Inc | 81.9 Az 3 | 1.7 Az 321.4. Rotate 6675'- 22.0. Lost 3 bbls last 6 hrs, formation. Rotating now fro | pump pressure 1600 psi. M | Mud 10.3, 48 vis. No |
| 5/2/2013 | ort End Date 5/3/2013 | Operations S Continue | | - | e and reach | TMD 702 | 22' + 12' rat hole, total 7034' | , TVD 5909.80', Vertical Se | ction 1387.49. |
| Dur (hrs) | 0.50 | Crew cha | inge 6 | 6:00 am | , Jsa safety | mtg. | Comment | | |
| | | | | | | | | | |



| NATURAL K | | | | | | Well Name: | H222 Aneth Ur |
|--|----------------------|--------------------------------------|---------------------------|---|--|--|--|
| PI Number 43037302420000 Ground Elevation (ft) | Casing Flange | ection 22 Elevation (ft) | Towns 40S | Z4E Aneth KB-Ground Distance (ft) | KB-Casing Flange Distance (ft) | | State/Province Utah Lig Release Date/Time |
| 4,926.00 | | | | 12.00 | | 9/26/1976 00:00 | |
| Dur (hrs) | 0.00 | Datata (a | 07 | 1001 07441 -1'-1- 07441 074 | Comment | 9 070711 - 04 F A - 004 4 D | 1-1-0770 0774 |
| | 6.00 | lost 9 bbl | of mu | | . Continue rotate 6774'- 6801 | @ 6737' Inc 81.5 Az 321.1, Ro '' Survey @ 6768' Inc 81.9 Az | |
| | 0.50 | Crew cha | ange (| @ 18:00, Jsa safety Mtg. | | ' survey @ 6863' Inc 80.9 Az | 321.6 |
| | | Survey @ | 689 | | or 30 min. CNJ tried to fix 1 A e 6927'- 6942. Slide 6942- 69 | gitator in rig pit but no luck. 945' rotate 6945'- 6959' Cir. w | ell, Survey @ 6926' |
| | 3.75 | | Inc 80 | | | 999' slide 6999'- 7001' rotate c 80.9 Az 321.9. MDT 7022' + | |
| Report Start Date Report | 1.25 End Date | Work hol | | | shell return, sand Crew chan | nge @ 6:00. | |
| | /4/2013 | | | | OOH AOH HWDP BHA. RIF | H w/ Ph6 tail jts, packer, AOH, | set packer 5490'. |
| | | | | 6:00, Jsa safety Mtg | | | |
| | | | | , lay down 7 jts pipe draggin 350 psi at surface, bled off c | g up hole w/ swivel rotating gas bubble. build mud 10.8# (| Cir. well dead. | |
| | | | to pu | II, Pipe stuck, Worked pipe | | Rae/ Craig Wright. Pump 40 | bbls F/W an |
| | | | | ating swivel up the hole slow | wly. lay down 11 jts total. | | |
| | | | pullin | lsa safety Mtg. ng pipe, no luck pipe stuck a | gain worked pipe/ pump 40 k | obls f/w still won't get free. pu | mp some quick stop |
| | 4.00 | | | y Rae finally agree on pump /w work pipe, pipe came fre | | mp 130 bbl F/W well came flow | wing out to fb tank. |
| | | jts in hole | @ 62 | 264', casing flowing to fb tar | | រ for 20 jts after pipe free up, ព្ | oull 5 more jts. 196 |
| | 3.00 | Continue | tooh | | alk. Cir. well w/ 11.0# mud cr | rew change @ 6:00 am | |
| | End Date 5/5/2013 | Operations S | | - | 5.5 packer, set 5490' w/ 362' t | tail pipe, Ph6. | |
| Dur (nrs) | 0.50 | Crew cha | ange (| @ 6:00 am. Jsa safety Mtg | Comment | | |
| | 6.50 | Hang bad PU 1- Mu | ck swi ıle sh | vel, Tooh w/ aoh dp lay dow | n hwdp, lay down motors, meter/ on off tool. rih w/ aoh re | onel's tally 151 jts, Pu 22 more off ra | ack, 22' subs, Set |
| | 0.50 1.50 | Pressure Latch on open to f | test o packe b tank | o rig pit w/ fw. casing/ packer 1000 psi 30- er/ RU WL retreive blank plu c 500 psi drop to 0 psi. FB 3: up. Crew change 6:00 am. | g. Tbg pressure 500 psi | G122 open back to injection. | Flow back rate |
| 5/5/2013 5 | End Date /6/2013 | Operations | Summa | ry | • | ng fliud. FB well, acidize well | w/20% acid. |
| Dur (hrs) | | Flow bac 45 bbl we | k well ell 0 p | | | ck 480 bbl, pump 80 bbls f/w mp another 20 bbl pressure s | |
| | 1.50 | Wait on b Baker arr flush 60 b | aker ived v | | si, 119 bbl 1210 psi, Flush F | 5 bbl ahead pump 5000 gal 2 /W 60 bbl, ISIP 705 psi, 5-mir | |
| | | 2 hr SI, 200 psi o | n Tbo | ı, Flow well back 450 psi, Fl | are gas. flow back 210 bbl C | rew change 6:00 am. | |
| 5/6/2013 5 | End Date 5/7/2013 | Operations S Finish pic | Summa cking (| ry | ection tubing. Latch on to 5 1 | 1/2" packer, set at 5490'. Land | d out and schedule |
| Dur (hrs) | 0.50 | anfot: | t' | with contractors as less the | Comment | aigh propagra liene inh to t | |
| | | - | - | | n topic was communication, horessure recoverd a total of a | nigh pressure lines, job task 100 bbls oil cut was about 50 | /50 |



Well Name: H222 Aneth Unit

| API Number | | Se | ection | Townsh | | Field Nam | ne | County | State/Province |
|---|-----------------|--------|------------------------|-------------------|---|------------|--|-------------------------------|----------------------------|
| 43037302420000 Ground Elevation (ft) | Cooing | Flongo | 22 Elevation (ft) | 40S | 24E KB-Ground Distance (ft) | Aneth | KB-Casing Flange Distance (ft) | San Juan Well Spud Date/Time | Utah Rig Release Date/Time |
| 4,926.00 | Casing | riange | Elevation (II) | | 12.00 | | ND-Casing Flange Distance (it) | 9/26/1976 00:00 | Rig Release Date/Time |
| | r (hrs) | | | | | | Comment | 0.20,10100000 | |
| Du | 1 (1115) | 3 00 | spot in ar | nd ria ı | ın Tefteller test lub | ricator to | 1000 psi (good test) run on | in and set 1.81 plug at 54 | 470 pull up and blees o |
| | | | pressure | throug | h choke waited or | trucks t | o haul out packer fluid | in and cot not plug at c | Tropan up and blood o |
| | | | • | | | | seat properly for 30 mins | | |
| | | 2.50 | j-off pack pressure | er and | I re-condition well t | ore with | 130 bbls of packer and pres | ssure test packer to 1000 | psi (Good Test) release |
| | | | | | | | nsfer to empty trailer | | |
| | | | | | | | ors on location topic was han | d placement, teamwork, | suspended loads, |
| | | | | | | - | transfer to empty trailer | | |
| | | 1.50 | toque on | syster | | | and prep. make up on and or draulic pressure it would rea | | |
| | | 1.50 | went thro | ugh hy | ydurilic system and | l add mo | re fluid | | |
| | | | | | • | | 95 jts transfer tubing from tra | iler to pipe racks and pre | p. |
| | | 1.00 | satert pic | king u | p tubing crew char | nge at 6:0 | 00 | | |
| Report Start Date 5/7/2013 | 5/8/201 | | 167 jts, 5 | is land 1/2" n | , ded with tubing har nickel-coated Arrow | set 1-X | inless steal nipple, 1 jt of nev packer set at 5490', 1 78 R n 7/8" PH-6 drill pipe. This we | ipple 2 3/8" x 2 7/8" cros | sover, 2 7/8" |
| Du | r (hrs) | | | | | | Comment | | |
| | | | • | king up | tubing. land well | | n topic was slip trip and falls. jt pony subs 4,6,10,and land | - | |
| | | 0.50 | pressure | test pa | acker to 1000 psi (| good tes | t) for 30 mins | | |
| | | 2.50 | rig down | rig floc | or and nipple down | BOP sta | ack put away. nipple up uppe | r tree | |
| | | 1.50 | | | and pressure test lu out and rig down | | to 1000 psi run on in and spee off | ear disk come out and pio | k up tool to recover |
| | | 1.00 | start riggi | ng dov | wn equipment | | | | |
| | | 1.00 | had Wilso | on srvi | ce on location to p | erform M | IIT with NNEPA Jean Bia rig | down truck and move off | |
| | | | rig down | | | | - | | |
| | | 1.00 | finish rigg | ging do | own alll equipment | | | | |
| | | 11.00 | | | watch all equipme | nt | | | |
| Report Start Date | Report End Date | | Operations S | | | | . 5 | | |
| 5/8/2013 | 5/9/201 | 3 | Have loca | ation c | eleaned up and turr | back ov | | | |
| Du | r (hrs) | 4.00 | take proc | CUITO T | eadings and open | well to fr | Comment ac tanks for 4 hours shut in v | MOII | |
| | | | | | • | | p, Riley out to clean close lo | | nd watch equipment |
| | | | • | | hand watch all equ | ٠. | ip, railey out to dealt close to | op system nad Dawn nai | a wateri equipinient. |
| | | . 0.00 | naa ono | -avvii i | nana waten an equ | | | | |

www.peloton.com Page 13/13 Report Printed: 5/15/2013



Resolute Natural Resources

Aneth Unit (Nad 27) Aneth Unit H222 H222 Sidetrack Sidetrack UWI: WL:

Survey: Final

Standard Survey Report

06 May, 2013



6000

100

200

300

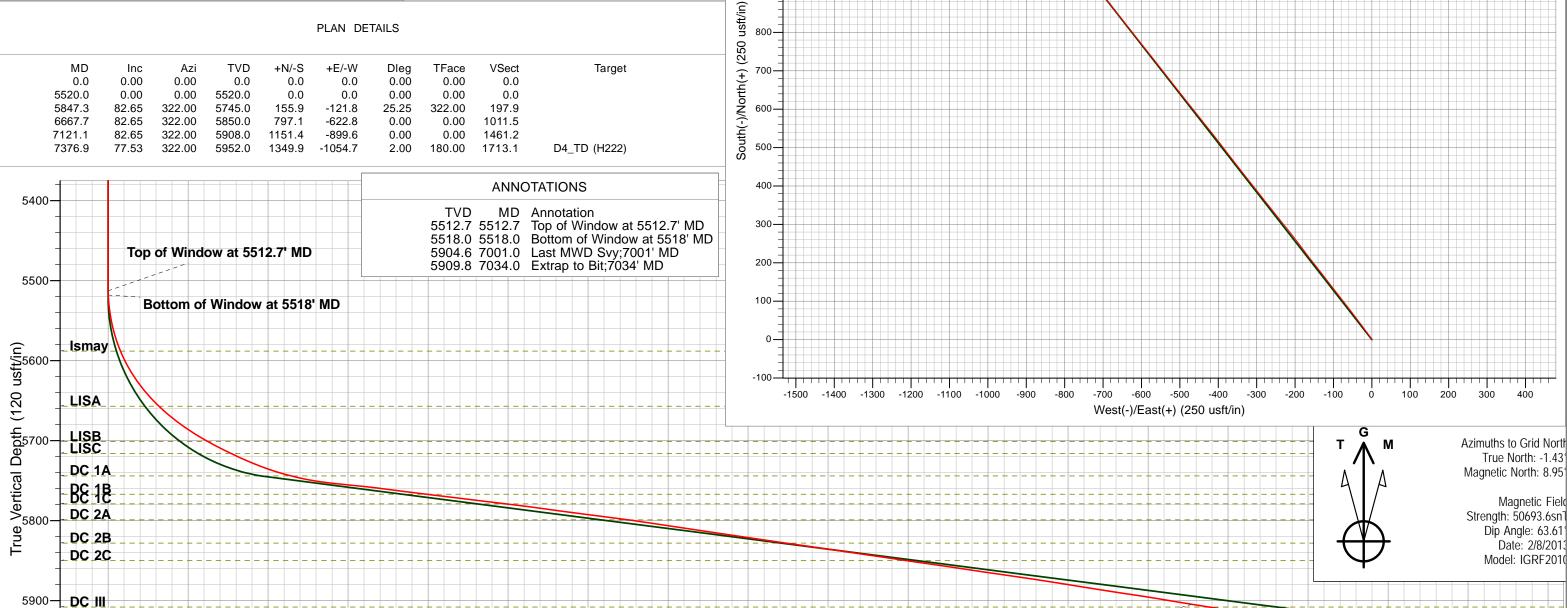
400

500

RESOLUTE

Reference Details - WELL CENTRE

Geodetic System: US State Plane 1927 (Exact solut Ellipsoid: Clarke 1866 Zone: Utah Central 4302 NATURAL RESOURCES Northing: -369691.10 Easting: 2651861.48 Latitude: 37° 17' 46.428 N Longitude: 109° 15' 39.172 W Grid Convergence: 1.43° West Site: Aneth Unit H222 Well: H222 Sidetrack Wellbore: Sidetrack Ground Elevation: 4933.0 Plan: Final KB Elevation: KB @ 4945.0usft PLAN DETAILS Dleg MD Inc Azi TVD +N/-S +E/-W **TFace VSect** Target 0.0 0.00 0.00 0.00 0.0 0.0 0.00 0.0 0.0 5520.0 0.00 0.00 0.00 0.00 5520.0 0.0 0.0 0.0 5847.3 82.65 322.00 5745.0 155.9 -121.8 25.25 322.00 197.9 6667.7 82.65 322.00 5850.0 797.1 -622.8 0.00 0.00 1011.5 7121.1 82.65 322.00 5908.0 1151.4 -899.6 0.00 0.00 1461.2 7376.9 77.53 322.00 5952.0 1349.9 -1054.7 2.00 180.00 1713.1 D4_TD (H222) **ANNOTATIONS** 5400 MD Annotation 5512.7 5512.7 Top of Window at 5512.7 MD 5518.0 5518.0 Bottom of Window at 5518' MD 5904.6 7001.0 Last MWD Svy;7001' MD Top of Window at 5512.7' MD 5909.8 7034.0 Extrap to Bit;7034' MD 5500



1400-

1300-

1200-

1100-

1000-

900-

D4_TD (H222)

Extrap to Bit;7034' MD

Last MWD Svy;7001' MD

1300

1200

Extrap to Bit;7034' MD

1500

1400

D4 TD (H222)

1700

1800

1600

Last MWD Svy;7001' MD

Mesawest

RECEIVED: May. 15, 2013

700

800

900

Vertical Section at 322.00° (120 usft/in)

1000

1100

600



Mesa West Directional

Survey Report



Company: Resolute Natural Resources

Project: Aneth Unit (Nad 27)
Site: Aneth Unit H222
Well: H222 Sidetrack

Wellbore: Sidetrack
Design: Final

Local Co-ordinate Reference:

TVD Reference: KB @ 4945.0usft MD Reference: KB @ 4945.0usft

North Reference: Grid

Survey Calculation Method: Minimum Curvature

Database: EDM 5000.1 Single User Db

Project Aneth Unit (Nad 27)

Map System: US State Plane 1927 (Exact solution)

Geo Datum: NAD 1927 (NADCON CONUS)

Map Zone: Utah Central 4302

Mean Sea Level

Well H222 Sidetrack

Using geodetic scale factor

Site Aneth Unit H222

Northing: -369,691.10 usft Site Position: Latitude: 37° 17' 46.428 N From: Lat/Long Easting: 2,651,861.48 usft Longitude: 109° 15' 39.172 W **Position Uncertainty:** 0.0 usft Slot Radius: 13-3/16 " **Grid Convergence:** 1.43°

System Datum:

Well H222 Sidetrack **Well Position** +N/-S 0.0 usft Northing: -369,691.10 usft Latitude: 37° 17' 46.428 N +E/-W 0.0 usft Easting: 2,651,861.48 usft Longitude: 109° 15' 39.172 W 0.0 usft Wellhead Elevation: 4,933.0 usft **Position Uncertainty** usft **Ground Level:**

| Wellbore | Sidetrack | | | | |
|-----------|------------|-------------|--------------------|------------------|------------------------|
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 2/8/2013 | 10.39 | 63.61 | 50,694 |

Design Final **Audit Notes:** ACTUAL Version: 1.0 Phase: Tie On Depth: 0.0 Vertical Section: Depth From (TVD) +N/-S +E/-W Direction (usft) (usft) (usft) (°) 0.0 0.0 0.0 322.00

 Survey Program
 Date
 5/6/2013

 From (usft)
 To (usft)
 Survey (Wellbore)
 Tool Name
 Description

 5,512.7
 7,034.0 Final (Sidetrack)
 MWD
 MWD - Standard

| Survey | | | | | | | | | | |
|-----------------------------|--------------------|----------------|-----------------------------|------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | Subsea (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 0.0 | 0.00 | 0.00 | 0.0 | -4,945.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| Top of Wi | ndow at 5512. | 7' MD | | | | | | | | |
| 5,512.7 | 0.00 | 0.00 | 5,512.7 | 567.7 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| Bottom of | Window at 5 | 18' MD | | | | | | | | |
| 5,518.0 | 3.10 | 322.00 | 5,518.0 | 573.0 | 0.1 | -0.1 | 0.1 | 58.49 | 58.49 | 0.00 |
| 5,535.0 | 6.60 | 325.25 | 5,534.9 | 589.9 | 1.3 | -0.9 | 1.6 | 20.64 | 20.59 | 19.12 |
| 5,566.0 | 16.10 | 326.40 | 5,565.3 | 620.3 | 6.3 | -4.3 | 7.7 | 30.65 | 30.65 | 3.71 |
| Ismay | | | | | | | | | | |
| 5,590.1 | 22.57 | 325.33 | 5,588.0 | 643.0 | 12.9 | -8.8 | 15.6 | 26.91 | 26.87 | -4.43 |
| 5,598.0 | 24.70 | 325.10 | 5,595.3 | 650.3 | 15.5 | -10.6 | 18.8 | 26.91 | 26.88 | -2.95 |



Mesa West Directional

Survey Report



Company: Resolute Natural Resources

Project: Aneth Unit (Nad 27)
Site: Aneth Unit H222
Well: H222 Sidetrack
Wellbore: Sidetrack

Final

Design:

TVD Reference:
MD Reference:
North Reference:

Local Co-ordinate Reference:

Well H222 Sidetrack KB @ 4945.0usft KB @ 4945.0usft

Grid

Survey Calculation Method: Minimum Curvature

Database: EDM 5000.1 Single User Db

| Design: | гіпаі | | | | atabase: | | LDW 300 | Jo. i Sirigle User | | |
|-----------------------------|--------------------|------------------|-----------------------------|------------------|-----------------|------------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|
| Survey | | | | | | | | | | |
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | Subsea (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 5,630.0 5,660.0 | 34.10 43.20 | 323.30 323.10 | 5,623.1 5,646.5 | 678.1 701.5 | 28.2 43.2 | -19.8 -31.0 | 34.5 53.2 | 29.50 30.34 | 29.38 30.33 | -5.63 -0.67 |
| LISA 5,674.8 | 46.53 | 322.76 | 5,657.0 | 712.0 | 51.6 | -37.3 | 63.6 | 22.56 | 22.50 | -2.33 |
| 5,692.0 | 50.40 | 322.40 | 5,668.4 | 723.4 | 61.8 | -45.2 | 76.5 | 22.56 | 22.50 | -2.07 |
| 5,723.0 | 56.40 | 321.90 | 5,686.9 | 741.9 | 81.4 | -60.4 | 101.4 | 19.40 | 19.35 | -1.61 |
| LISB 5,750.1 5,755.0 | 60.72 61.50 | 322.33 322.40 | 5,701.0 5,703.4 | 756.0 758.4 | 99.6 103.1 | -74.6 -77.2 | 124.5 128.8 | 15.99 15.99 | 15.94 15.94 | 1.57 1.49 |
| LISC | 01.50 | 322.40 | 3,703.4 | 700.4 | 100.1 | 77.2 | 120.0 | 10.00 | 13.94 | 1.40 |
| 5,782.8 | 64.45 | 322.75 | 5,716.0 | 771.0 | 122.7 | -92.3 | 153.5 | 10.68 | 10.62 | 1.25 |
| 5,787.0 | 64.90 | 322.80 | 5,717.8 | 772.8 | 125.7 | -94.6 | 157.3 | 10.68 | 10.63 | 1.22 |
| 5,818.0 | 68.20 | 322.30 | 5,730.1 | 785.1 | 148.3 | -111.9 | 185.8 | 10.75 | 10.65 | -1.61 |
| 5,850.0 | 73.70 | 321.70 | 5,740.6 | 795.6 | 172.1 | -130.5 | 216.0 | 17.28 | 17.19 | -1.88 |
| DC 1A | | | | | | | | | | |
| 5,863.0 | 75.71 | 321.62 | 5,744.0 | 799.0 | 182.0 | -138.3 | 228.5 | 15.50 | 15.48 | -0.65 |
| 5,881.0 | 78.50 | 321.50 | 5,748.0 | 803.0 | 195.7 | -149.2 | 246.1 | 15.50 | 15.48 | -0.64 |
| 5,913.0 | 83.90 | 323.10 | 5,752.9 | 807.9 | 220.7 | -168.5 | 277.7 | 17.58 | 16.88 | 5.00 |
| 5,944.0 | 84.40 | 323.50 | 5,756.1 | 811.1 | 245.5 | -186.9 | 308.5 | 2.06 | 1.61 | 1.29 |
| 5,976.0 | 82.60 | 321.40 | 5,759.7 | 814.7 | 270.7 | -206.3 | 340.3 | 8.61 | -5.63 | -6.56 |
| 6,008.0 | 82.80 | 321.00 | 5,763.8 | 818.8 | 295.4 | -226.2 | 372.0 | 1.39 | 0.63 | -1.25 |
| DC 1B | 00.07 | 201.40 | | 000.0 | 045.0 | 040.4 | 222.2 | 4 70 | 0.05 | 4.04 |
| 6,034.1 | 82.97 | 321.42 | 5,767.0 | 822.0 | 315.6 | -242.4 | 398.0 | 1.73 | 0.65 | 1.61 |
| 6,039.0 6,071.0 | 83.00 | 321.50 | 5,767.6 | 822.6 826.5 | 319.4 344.2 | -245.5 -265.2 | 402.8 | 1.73 | 0.65 | 1.61 |
| | 83.10 | 321.50 | 5,771.5 | | | | 434.6 | 0.31 | 0.31 | 0.00 |
| 6,102.0 6,134.0 | 83.30 | 321.60 | 5,775.1 | 830.1 834.0 | 368.4 393.3 | -284.4 | 465.3 | 0.72 | 0.65 | 0.32 0.94 |
| DC 1C | 83.00 | 321.90 | 5,779.0 | 634.0 | 393.3 | -304.0 | 497.1 | 1.32 | -0.94 | 0.94 |
| 6,134.4 | 83.00 | 321.90 | 5,779.0 | 834.0 | 393.6 | -304.3 | 497.5 | 0.00 | 0.00 | 0.00 |
| 6,165.0 | 82.50 | 322.00 | 5,782.9 | 837.9 | 417.5 | -323.0 | 527.9 | 1.66 | -1.63 | 0.33 |
| 6,197.0 | 82.30 | 321.90 | 5,787.1 | 842.1 | 442.5 | -342.5 | 559.6 | 0.70 | -0.63 | -0.31 |
| 6,229.0 | 82.50 | 322.30 | 5,791.3 | 846.3 | 467.5 | -362.0 | 591.3 | 1.39 | 0.63 | 1.25 |
| 6,260.0 | 82.80 | 322.40 | 5,795.3 | 850.3 | 491.9 | -380.8 | 622.1 | 1.02 | 0.97 | 0.32 |
| DC 2A | | | | | | | | | | |
| 6,288.3 | 82.18 | 322.40 | 5,799.0 | 854.0 | 514.1 | -397.9 | 650.1 | 2.19 | -2.19 | 0.00 |
| 6,292.0 | 82.10 | 322.40 | 5,799.5 | 854.5 | 517.0 | -400.2 | 653.8 | 2.19 | -2.19 | 0.00 |
| 6,323.0 | 81.30 | 321.40 | 5,804.0 | 859.0 | 541.1 | -419.1 | 684.4 | 4.10 | -2.58 | -3.23 |
| 6,355.0 | 81.70 | 321.40 | 5,808.7 | 863.7 | 565.9 | -438.8 | 716.1 | 1.25 | 1.25 | 0.00 |
| 6,386.0 | 81.50 | 321.50 | 5,813.2 | 868.2 | 589.9 | -458.0 | 746.8 | 0.72 | -0.65 | 0.32 |
| 6,418.0 | 81.40 | 321.40 | 5,818.0 | 873.0 | 614.6 | -477.7 | 778.4 | 0.44 | -0.31 | -0.31 |
| 6,452.0 | 81.70 | 322.00 | 5,823.0 | 878.0 | 641.0 | -498.5 | 812.0 | 1.96 | 0.88 | 1.76 |
| 6,484.0 | 82.00 | 321.90 | 5,827.5 | 882.5 | 665.9 | -518.0 | 843.7 | 0.99 | 0.94 | -0.31 |
| DC 2B | | | | | | | | | | |
| 6,487.4 | 81.99 | 321.91 | 5,828.0 | 883.0 | 668.6 | -520.1 | 847.1 | 0.45 | -0.32 | 0.32 |
| 6,515.0 | 81.90 | 322.00 | 5,831.9 | 886.9 | 690.1 | -537.0 | 874.4 | 0.45 | -0.32 | 0.32 |



Mesa West Directional

Survey Report



Resolute Natural Resources Company:

Aneth Unit (Nad 27) Project: Site: Aneth Unit H222 Well: H222 Sidetrack Wellbore: Sidetrack

Final

Design:

Local Co-ordinate Reference:

Well H222 Sidetrack KB @ 4945.0usft TVD Reference: MD Reference: KB @ 4945.0usft North Reference: Grid

Minimum Curvature **Survey Calculation Method:**

Database: EDM 5000.1 Single User Db

| urvey | | | | | | | | | | |
|-------------------------------|-------------------------|----------------------------|-------------------------------|-------------------------|-------------------------|----------------------------|-------------------------------|-------------------------------|------------------------------|----------------------------|
| | | | | | | | | | | |
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | Subsea (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft |
| 6,547.0 | 81.70 | 321.70 | 5,836.4 | 891.4 | 715.0 | -556.5 | 906.1 | 1.12 | -0.63 | -0.94 |
| 6,578.0 6,610.0 | 81.50 81.70 | 321.90 321.30 | 5,841.0 5,845.6 | 896.0 900.6 | 739.1 763.9 | -575.5 -595.2 | 936.7 968.4 | 0.91 1.96 | -0.65 0.63 | 0.65 -1.88 |
| DC 2C | | | | | | | | | | |
| 6,640.2 6,642.0 6,673.0 | 81.70 81.70 81.90 | 321.39 321.40 322.00 | 5,850.0 5,850.3 5,854.7 | 905.0 905.3 909.7 | 787.3 788.7 812.7 | -613.8 -614.9 -633.9 | 998.3 1,000.1 1,030.7 | 0.31 0.31 2.02 | 0.00 0.00 0.65 | 0.31 0.31 1.94 |
| 6,705.0 | 81.50 | 321.10 | 5,859.3 | 914.3 | 837.5 | -653.6 | 1,062.4 | 3.05 | -1.25 | -2.81 |
| 6,737.0 | 81.50 | 321.10 | 5,864.0 | 919.0 | 862.2 | -673.5 | 1,094.1 | 0.00 | 0.00 | 0.00 |
| 6,768.0 | 81.90 | 321.30 | 5,868.5 | 923.5 | 886.1 | -692.7 | 1,124.7 | 1.44 | 1.29 | 0.65 |
| 6,800.0 6,831.0 | 81.70 80.50 | 322.10 322.00 | 5,873.1 5,877.9 | 928.1 932.9 | 910.9 935.1 | -712.4 -731.2 | 1,156.4 1,187.0 | 2.55 3.88 | -0.63 -3.87 | 2.50 -0.32 |
| 6,863.0 | 80.90 | 321.60 | 5,883.0 | 938.0 | 959.9 | -750.7 | 1,218.6 | 1.76 | 1.25 | -1.25 |
| 6,894.0 | 81.30 | 322.20 | 5,887.8 | 942.8 | 984.0 | -769.6 | 1,249.2 | 2.31 | 1.29 | 1.94 |
| 6,926.0 | 81.60 | 321.90 | 5,892.6 | 947.6 | 1,009.0 | -789.1 | 1,280.9 | 1.32 | 0.94 | -0.94 |
| 6,958.0 6,989.0 | 80.50 80.60 | 321.50 321.60 | 5,897.6 5,902.7 | 952.6 957.7 | 1,033.8 1,057.7 | -808.7 -827.7 | 1,312.5 1,343.1 | 3.65 0.45 | -3.44 0.32 | -1.25 0.32 |
| Last MWD | Svy;7001' MD | | | | | | | | | |
| 7,001.0 | 80.90 | 321.90 | 5,904.6 | 959.6 | 1,067.0 | -835.0 | 1,354.9 | 3.51 | 2.50 | 2.50 |
| DC III | | | | | | | | | | |
| 7,022.6 | 80.90 | 321.90 | 5,908.0 | 963.0 | 1,083.8 | -848.2 | 1,376.2 | 0.00 | 0.00 | 0.00 |
| Extrap to | Bit;7034' MD | | | | | | | | | |
| 7,034.0 | 80.90 | 321.90 | 5,909.8 | 964.8 | 1,092.7 | -855.1 | 1,387.5 | 0.00 | 0.00 | 0.00 |

| Design Targets | | | | | | | | | |
|---|--------------------------|------------------------|-------------------------|--------------------------|----------------------------|-------------------------|-------------------|-----------------|-------------------|
| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| D4_TD (H222) - survey misses targ - Point | 0.00 get center by 32 | 0.00 28.3usft at 70 | 5,952.0 034.0usft MD | 1,349.9) (5909.8 TVD | -1,054.7 , 1092.7 N, -8 | -368,340.03 355.1 E) | 2,650,805.87 | 37° 18' 0.031 N | 109° 15' 51.803 W |



Mesa West Directional

Survey Report



Resolute Natural Resources Company:

Aneth Unit (Nad 27) Project: Site: Aneth Unit H222 Well: H222 Sidetrack Wellbore:

Final

Design:

Sidetrack

Local Co-ordinate Reference:

Well H222 Sidetrack KB @ 4945.0usft TVD Reference: MD Reference: KB @ 4945.0usft North Reference: Grid

Minimum Curvature **Survey Calculation Method:**

EDM 5000.1 Single User Db Database:

| ormations | | | | | | |
|-----------|-----------------------------|-----------------------------|--------|-----------|------------|-------------------------|
| | Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
| | 5,590.1 | 5,588.0 | Ismay | | 0.00 | |
| | 5,674.8 | 5,657.0 | LISA | | 0.00 | |
| | 5,750.1 | 5,701.0 | LISB | | 0.00 | |
| | 5,782.8 | 5,716.0 | LISC | | 0.00 | |
| | 5,863.0 | 5,744.0 | DC 1A | | 0.00 | |
| | 6,034.1 | 5,767.0 | DC 1B | | 0.00 | |
| | 6,134.4 | 5,779.0 | DC 1C | | 0.00 | |
| | 6,288.3 | 5,799.0 | DC 2A | | 0.00 | |
| | 6,487.4 | 5,828.0 | DC 2B | | 0.00 | |
| | 6,640.2 | 5,850.0 | DC 2C | | 0.00 | |
| | 7,022.6 | 5,908.0 | DC III | | 0.00 | |

| Survey Anno | tations | | | | |
|-------------|----------|----------|------------|---------|------------------------------|
| | Measured | Vertical | Local Coor | dinates | |
| | Depth | Depth | +N/-S | +E/-W | |
| | (usft) | (usft) | (usft) | (usft) | Comment |
| | 5,512.7 | 5,512.7 | 0.0 | 0.0 | Top of Window at 5512.7' MD |
| | 5,518.0 | 5,518.0 | 0.1 | -0.1 | Bottom of Window at 5518' MD |
| | 7,001.0 | 5,904.6 | 1,067.0 | -835.0 | Last MWD Svy;7001' MD |
| | 7,034.0 | 5,909.8 | 1,092.7 | -855.1 | Extrap to Bit;7034' MD |

| Checked By: | Approved By: | Date: | |
|-------------|--------------|-------|--|
| , | 11 7 | | |

END OF WELL REPORT



Client: Resolute Natural Resources

Well Name: Aneth Unit H222 Location: Sec.22, T40S, R24E

Job Number: 1305

Start Date: 12-Apr-13 End Date: 5-May-13

PERSONAL

Operator Personnel

Company Man:

Myron Dee, James Yellowman Geologist:

Directional Personnel

David Westbrook Shane Sligar

Survey Personnel

Ron Alexus Greg Vlaming

WELL SUMMARY

BHA 1 - Drilled F/ 5556' - 5590', 34 ft in 7.75 hrs - 4.4 ft/hr

Bit - 4 3/4" Varel insert CH34MRS with no jets . Motor is a CAVO 3.75", 5/6 lobe, 3.0 stage, 1.4 rev/gal, set at 2.57°.

While sliding motor lost all reactive torque and drilling differential pressure. Tripped BHA 1 out to inspect motor. Motor drained on surface but was making grinding noises and would lock up and let free while draining on surface.

BHA 2 - Drilled F/ 5590' - 5644', 54 ft in 5.5 hrs - 9.82 ft/hr

Bit - 4 3/4" Varel insert CH34MRS with No jets . Motor is a CAVO 3.75", 5/6 lobe, 3.0 stage, 1.4 rev/gal, set at 2.83°.

Tripped out due to coming off of whipstock @ 48° azimuth instead of 322°. On surface high side of motor was scribed to top of UBHO to insure mule shoe

didn't move from original point. Motor drained and sounded good on surface and had no visual signs of wear. Motor delivered 41 %100'

Ran in wireline to check inc and azimuth of existing well in 200' increments to top of window. From window to end of mill depth azimuth went from 322 at top to 338 azimuth at bottom of milled depth. At the point which gyro was used to slide azimuth trended from 338 - 48 azimuth from 5556' to 5583' the point which gyro was released.

BHA 3 - Drilled F/ 5522' - 5672' , 150 ft in 11.25 hrs - 12.8 ft/hr

Bit - 4 3/4" Varel insert CH34MRS with No jets . Motor is a CAVO 3.75", 5/6 lobe, 3.0 stage, 1.4 rev/gal, set at 2.29°.

Motor delivered 26 %100' during the build section. Motor drained well and no visible signs of wear at surface. TOOH due to gas kick.

BHA 4 - Drilled F/ 5672' - 5672'

Bit - 4 3/4" Varel insert CH34MRS with No jets . Motor is a Adtech 3.75", 9/10 lobe, 3.3 stage, 1.18 rev/gal, set at 2.00°.

At shallow test pressure spiked out at 2500#. Recycled pumps and brought throttle to operating range pressure was 2500# and circulating full returns. MWD was sending bad pulses. TOOH to inspect BHA.

BHA 5 - Drilled F/ 5672' - 5672'

Bit - 4 3/4" Varel insert CH34MRS with No jets . Motor is a Adtech 3.75", 9/10 lobe, 3.3 stage, 1.18 rev/gal, set at 2.00°.

Tested motor halfway in hole and had bad pulses due to air in mud. Conditioned mud with defoamer and tool tested fine. Continued to trip in hole to top of window and proceeded to break circulation. Pressure went to normal operating pressure but began to rise. Once pump was kicked out pressure stayed at 1600# multiple times and was bled off through pump.

BHA 6 - Drilled F/ 5672' - 6167', 495ft in 68.25 hrs - 7.25 ft/hr

Bit - 4 3/4" Varel insert CH24MRS with No jets . Motor is a Adtech 3.75", 9/10 lobe, 3.3 stage, 1.18 rev/gal, set at 1.75°.

Motor averaged 18°/100' throughout the bottom half of the build section except for the Gothic Shale where it delivered 15°/100'.

POOH due to slow ROP and bit hours - motor had numerous stalls while rotating. All three cones were locked up on this bit.

BHA 7 - Drilled F/ 6167' - 7034' , 867ft in 57.75 hrs - 15 ft/hr

Bit - 4 3/4" Varel insert CH34MRS with No jets . Motor is a Adtech 3.75", 9/10 lobe, 3.3 stage, 1.18 rev/gal, set at 1.75°.

REPORT PREPARED BY:

David Westbrook

END OF WELL REPORT 2



Client: Resolute Natural Resources

Well Name: Aneth Unit H222 Location: Sec.22, T40S, R24E

Job Number: 1305

Start Date: 12-Apr-13 End Date: 5-May-13

TOTAL DEPTH

PERSONAL

Operator Personnel

Company Man:

Myron Dee, James Yellowman

RE-ENTRY

Geologist:

Directional Personnel

David Westbrook Shane Sligar

Survey Personnel

INC: 80.9

Ron Alexus Greg Vlaming

WELL SUMMARY

KOP: 5525 TD: 7034 FEET DRLG.: 1600 146 **TOTAL DRLG. HRS.:** AVG. ROP: 22 7 6 # DAYS: # BITS: 3 # BHA'S: NO. OF MOTORS: 11.0

Well Parameters

LEG 2 Leg 1

HOLE SIZE: 4 3/4

WHIPSTOCK SETTING: 322.18° **HOLE SIZE:** 4 3/4 **HOLE SIZE**: 4 3/4

Coordinates: Coordinates: Coordinates: MD: **MD**: 5644 **MD**: 7034

TVD: TVD: 5640.64 TVD: 5909.8 INC: **INC:** 28.65

DIRECTION: DIRECTION: 32 DIRECTION: 321.9 VERTICAL SECTION: VERTICAL SECTION: 5.47 VERTICAL SECTION: 1387.49

N/S: N/S: 16.62 N/S: 1092.65 E / W: **E** / **W**: 12.39 **E** / **W**: -855.13

RE-ENTRY DATA:

TOP OF WINDOW: DIRECTION: 322.18 5512.67 **BOTTOM OF WINDOW:** 5518.49 **RAT HOLE:**

DIRECTIONAL COMMENTS

- 1. Slide with gyro until the azimuths match with the MWD tool.
- 2. Install an auto-driller to maximize weight-on-bit and penetration rate.
- 3. Install a stroke counter to maximize motor performance, hole cleaning and penetration rate.
- 4. A PDC bit might drill faster especially in the Desert Creek formations.

REPORT PREPARED BY: David Westbrook